

TEST REPORT

Product Name : WIFI 6E Module
Model Number : WF8221-U1
FCC ID : 2AOKI-WF8221U1
IC : 23460-WF8221U1

Prepared for : Sichuan AI-Link Technology Co.,Ltd.
Address : Anzhou Industrial Park, Mianyang, Sichuan, P.R.C

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Report Number : ENS2601190219W00106R
Date(s) of Tests : January 19, 2026 to March 6, 2026
Date of Issue : March 9, 2026

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Modified Information

Version	Report No.	Revision Date	Summary
Ver.1.0	ENS2601190219W00106R	/	Original Report

1 TEST RESULT CERTIFICATION

Applicant : Sichuan AI-Link Technology Co.,Ltd.
Address : Anzhou Industrial Park, Mianyang, Sichuan, P.R.C
Manufacturer : Sichuan AI-Link Technology Co.,Ltd.
Address : Anzhou Industrial Park, Mianyang, Sichuan, P.R.C
EUT : WIFI 6E Module
Model Name : WF8221-U1
Trademark : AI-LINK

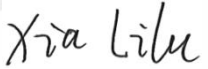
Measurement Procedure Used:

APPLICABLE STANDARDS	
STANDARD	TEST RESULT
FCC 47 CFR Part 2, Subpart J FCC 47 CFR Part 15, Subpart E	PASS
RSS-248 Issue 3(10-2024) RSS-GEN, Issue 5(04-2018)+A1(03-2019)+A2(02-2021)	PASS

The above equipment was tested by EMTEK (SHENZHEN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10-2020/Cor 1-2021 and the energy emitted by the sample EUT tested as described in this report is in compliance with the above table standards requirement.
The test results of this report relate only to the tested sample identified in this report.

Date of Test : January 19, 2026 to March 6, 2026

Prepared by : 
Yu Xiaolan/Editor

Reviewer : 
Xia Lili/Supervisor

Approved & Authorized Signer : 
Wang Li/Manager



2 EUT TECHNICAL DESCRIPTION

FCC Classification:	6GHz Low Power Indoor Client (6XD)
Product:	WIFI 6E Module
Model Number:	WF8221-U1
WiFi Type:	UNII-5 Band: 5925 ~ 6425 MHz UNII-6 Band: 6425 ~ 6525 MHz UNII-7 Band: 6525 ~ 6875 MHz UNII-8 Band: 6875 ~ 7125 MHz
WLAN Supported:	802.11ax(20)/ax(40)/ax(80)
Modulation:	OFDMA
Channel Number:	For 5925 ~ 6425MHz band: Channel 1 - 93 For 6425 ~ 6525MHz Band: Channel 97 - 119 For 6525 ~ 6875MHz Band: Channel 117 - 187 For 6875 ~ 7125MHz band: Channel 189 - 233
Smart System	MIMO
Power Supply :	DC 5V
Temperature Range:	-10℃~70℃
FVIN:	v2.39

2.1 FEATURE OF EUT

a) Antenna information

Specification	Antenna	Brand	Model	Antenna Type	Gain
BT	1	/	/	PCB Antenna	-0.87dBi
BLE	1	/	/	PCB Antenna	-0.87dBi
2.4G WIFI	1	/	/	PCB Antenna	1.45dBi
2.4G WIFI	2	/	/	PCB Antenna	0.94dBi
5G WIFI	1	/	/	PCB Antenna	4.54dBi
5G WIFI	2	/	/	PCB Antenna	5.32dBi
WiFi 6E	1	/	/	PCB Antenna	3.07dBi
WiFi 6E	2	/	/	PCB Antenna	2.62dBi

Note: The antenna information provided by the manufacturer will have a certain impact on the test results.

b) Modification Record

There were no modifications required for compliance.

c) For more details, please refer to the user's manual of the EUT.

3 SUMMARY OF TEST RESULTS

FCC Part Clause	IC Part Clause	Test Parameter	Verdict	Remark
15.403(i) 2.1049	RSS-248 4.4 RSS-Gen 6.7	26dB Emission Bandwidth	PASS	-
15.407 (a) 2.1049	RSS-248 4.4 RSS-Gen 6.7	99% Occupied Bandwidth	Reporting only	-
15.407 (a) 2.1046	RSS-248 4.6	Maximum Conducted Output Power	Reporting only	-
15.407 (a) 2.1046	RSS-248 4.6	Fundamental Maximum EIRP	PASS	-
15.407 (a)	RSS-248 4.6	Maximum Power Spectral Density	PASS	-
15.407 (b)	RSS-248 4.7	In-Band Emissions(Emission Mask)	PASS	-
15.407 (d)	RSS-248 4.8	Contention Based Protocol	PASS	-
15.407 (b) 15.209 15.205	RSS-248 4.7 RSS-Gen 8.9 RSS-Gen 8.10 RSS-Gen 6.13	Radiated Spurious Emission	PASS	-
15.207	RSS-Gen 8.8	Power Line Conducted Emissions	N/A	-
15.203	RSS-Gen 6.8	Antenna Requirement	PASS	-

NOTE 1: N/A is an abbreviation for not applicable.

NOTE 2: The results of this report do not take into account the uncertainty.

NOTE 3: The product supports OFDMA full RU tone and partial RU tone, both full RU and partial RU-left (for low CH) and partial RU-right (for high CH) test output power, the full RU power > partial RU, therefore the full RU perform full test to cover partial RU except for PSD and Duty cycle.

NOTE3: The product does not support 802.11be, so the Channel Puncturing or Bandwidth Reduction has not been tested.

RELATED SUBMITTAL(S) / GRANT(S):

This submittal(s) (test report) is filing to comply with the above table standards requirement.

4 TEST METHODOLOGY

4.1 GENERAL DESCRIPTION OF APPLIED STANDARDS

According to its specifications, the EUT must comply with the requirements of the following standards:

FCC 47 CFR Part 2, Subpart J

FCC 47 CFR Part 15, Subpart E

RSS-GEN, Issue 5(04-2018)+A1(03-2019)+A2(02-2021)

RSS-248 Issue 2(10-2024)

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

FCC KDB 789033 D2 General UNII Test Procedures New Rules v02r01

FCC KDB 987594 D01 U-NII 6GHz General Requirements v01r03

FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01r01

4.2 MEASUREMENT EQUIPMENT USED

For Spurious Emissions Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Pre-Amplifier	Bonn	BLMA 011001N	2213967A	2025/10/16	1Year
EMI Test Receiver	Rohde & Schwarz	ESR7	102551	2025/10/16	1Year
Bilog Antenna	Schwarzbeck	VULB9163	9163142	2024/7/8	2Year
Horn antenna	Schwarzbeck	BBHA9120D	9120D-1198	2025/5/13	2Year
Pre-Amplifier	Bonn	BLMA 0118-5G	2213967B-01	2025/10/16	1Year
Spectrum Analyzer	Rohde & Schwarz	FSV3044	101290	2025/10/16	1Year
Horn antenna	Schwarzbeck	BBHA9170	9170-399	2025/5/13	2Year
Pre-Amplifier	Lunar EM	LNA18G26-40	J1012131010001	2025/5/9	1Year
Pre-Amplifier	Lunar EM	LNA26G40-40	J1013131028001	2025/5/9	1Year
Loop Antenna	Schwarzbeck	FMZB1519	1519-012	2025/5/13	2Year
Wideband Radio Communication Tester	R&S	CMW500	171168	2025/9/9	1Year
Coaxial Cable	TIMES	NmNm-7-C15702	N/A	2025/5/22	1Year
Coaxial Cable	TIMES	HF290-NMSM-6.5M	N/A	2025/5/22	1Year
Coaxial Cable	TIMES	LMR-240 N-N	N/A	2025/5/22	1Year

For Other Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Wideband Radio Communication Tester	R&S	CMW500	171168	2025/9/9	1Year
Frequency Extender	R&S	CMW-Z800A	100430	2025/9/9	1Year
Spectrum Analyzer	R&S	FSV3044	101289	2025/12/16	1Year
Analog Signal Generator	R&S	SMB100A	183237	2025/9/9	1Year
Vector Signal Generator	R&S	SMM100A	101808	2025/9/9	1Year
RF Control Unit(Power Meter)	Tonscend	JS0806-2	22C8060567	2025/9/9	1Year

Temperature&Humidity Chamber	ESPEC	EL-02KA	12107166	2025/5/10	1 Year
DC Power Supply	KEYSIGHT	E3642A	MY53030016	2025/9/9	1 Year



4.3 DESCRIPTION OF TEST MODES

The EUT has been tested under its typical operating condition.

The EUT configuration for testing is installed on RF field strength measurement to meet the commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

The Transmitter was operated in the normal operating mode. The TX frequency was fixed which was for the purpose of the measurements.

Test of channel included the lowest and middle and highest frequency to perform the test, then record on this report.

Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

U-NII 5 Band (5925 ~ 6425MHz)

802.11ax(20)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	5955MHz	5	5975MHz	9	5995MHz	13	6015MHz
17	6035MHz	21	6055MHz	25	6075MHz	29	6095MHz
33	6115MHz	37	6135MHz	41	6155MHz	45	6175MHz
49	6195MHz	53	6215MHz	57	6235MHz	61	6255MHz
65	6275MHz	69	6295MHz	73	6315MHz	77	6335MHz
81	6355MHz	85	6375MHz	89	6395MHz	93	6415MHz

802.11ax(40)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
3	5965MHz	11	6005MHz	19	6045MHz	27	6085MHz
35	6125MHz	43	6165MHz	51	6205MHz	59	6245MHz
67	6285MHz	75	6325MHz	83	6365MHz	91	6405MHz

802.11ax(80)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
7	5985MHz	23	6065MHz	39	6145MHz	55	6225MHz
71	6305MHz	87	6385MHz	-	-	-	-

U-NII 6 Band (6425 ~ 6525MHz)

802.11ax(20)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
97	6435MHz	101	6455MHz	105	6475MHz	109	6495MHz
113	6515MHz	-	-	-	-	-	-

802.11ax(40)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
99	6445MHz	107	6485MHz	115	6525MHz	-	-

802.11ax(80)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
103	6465MHz	119	6545MHz	-	-	-	-

U-NII 7 Band (6525~6875MHz)

802.11ax(20)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
117	6535MHz	121	6555MHz	125	6575MHz	129	6595MHz
133	6615MHz	137	6635MHz	141	6655MHz	145	6675MHz
149	6695MHz	153	6715MHz	157	6735MHz	161	6755MHz
165	6775MHz	169	6795MHz	173	6815MHz	177	6835MHz
181	6855MHz	185	6875MHz	-	-	-	-

802.11ax(40)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
123	6565MHz	131	6605MHz	139	6645MHz	147	6685MHz
155	6725MHz	163	6765MHz	171	6805MHz	179	6845MHz
187	6885MHz	-	-	-	-	-	-

802.11 ax(80)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
135	6625MHz	151	6705MHz	167	6785MHz	183	6865MHz

U-NII 8 Band(6875~7125MHz)

802.11ax(20)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
189	6895MHz	193	6915MHz	197	6935MHz	201	6955MHz
205	6975MHz	209	6995MHz	213	7015MHz	217	7035MHz
221	7055MHz	225	7075MHz	229	7095MHz	233	7115MHz

802.11ax(40)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
195	6925MHz	203	6965MHz	211	7005MHz	219	7045MHz
227	7085MHz	-	-	-	-	-	-

802.11ax(80)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
199	6945MHz	215	7025MHz	-	-	-	-

Multi-antenna correlation:

☒	Transmit Signals are Correlated
	Directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$ dBi
☐	All Transmit Signals are Completely Uncorrelated
	Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10}) / N_{ANT}]$ dBi

Ant1: 3.07dBi, Ant2: 2.62dBi , Directional gain = 5.86 dBi

5 FACILITIES AND ACCREDITATIONS

5.1 FACILITIES

Site Description

EMC Lab.

: **Accredited by CNAS**

The Certificate Registration Number is L2291

The Laboratory has been assessed and proved to be in compliance with CNAS-CL01 (identical to ISO/IEC 17025:2017)

Accredited by FCC

Designation Number: CN1204

Test Firm Registration Number: 882943

Accredited by A2LA

The Certificate Number is 4321.01

Accredited by Industry Canada

The Conformity Assessment Body Identifier is CN0008

Name of Firm

: EMTEK (SHENZHEN) CO., LTD.

Site Location

: Building 69, Majialong Industry Zone,
Nanshan District, Shenzhen, Guangdong, China

5.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, biconical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with preselectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers. Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

6 TEST SYSTEM UNCERTAINTY

The following measurement uncertainty levels have been estimated for tests performed on the apparatus:

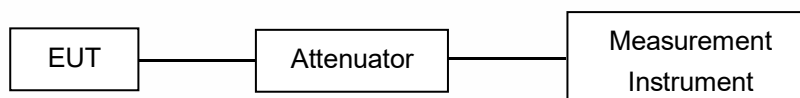
Test Parameter	Measurement Uncertainty
Radio Frequency	$\pm 1 \times 10^{-5}$
99%, 26dB Bandwidth	$\pm 1.0\text{dB}$
Conducted Output Power	$\pm 1.0\text{dB}$
Power Spectral Density	$\pm 1.0\text{dB}$
In-Band Emissions (Mask)	$\pm 1.0\text{dB}$
Contention Based Protocol	$\pm 1.0\text{dB}$
Dual Client- Proper Power Adjustment	$\pm 1.0\text{dB}$
Power Line Conducted Emission	$\pm 2.0\text{dB}$
Radiated Spurious Emission	$\pm 3\text{dB}$
Temperature	$\pm 0.5^{\circ}\text{C}$
Humidity	$\pm 3\%$

Measurement Uncertainty for a level of Confidence of 95%.

7 SETUP OF EQUIPMENT UNDER TEST

7.1 RADIO FREQUENCY TEST SETUP

The WLAN component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The EUT is controlled by PC/software to emit the specified signals for the purpose of measurements.



7.2 RADIO FREQUENCY TEST SETUP

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10-2020/Cor 1-2021. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2020/Cor 1-2021 and CAN/CSA-CEI/IEC CISPR 22.

Below 30MHz:

The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna (loop antenna). The Antenna should be positioned with its plane vertical at the specified distance from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. The center of the loop shall be 1 m above the ground. For certain applications, the loop antenna plane may also need to be positioned horizontally at the specified distance from the EUT.

Above 30MHz:

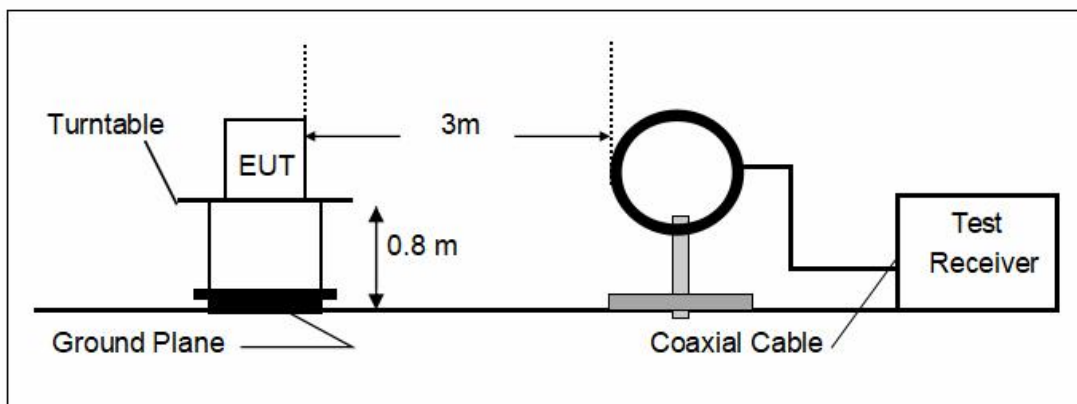
The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

Above 1GHz:

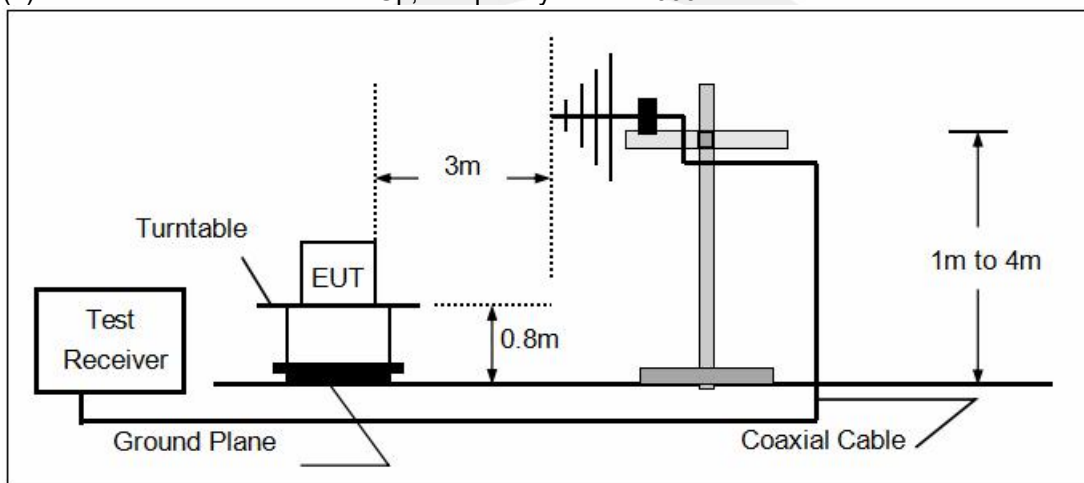
(Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.)

The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).

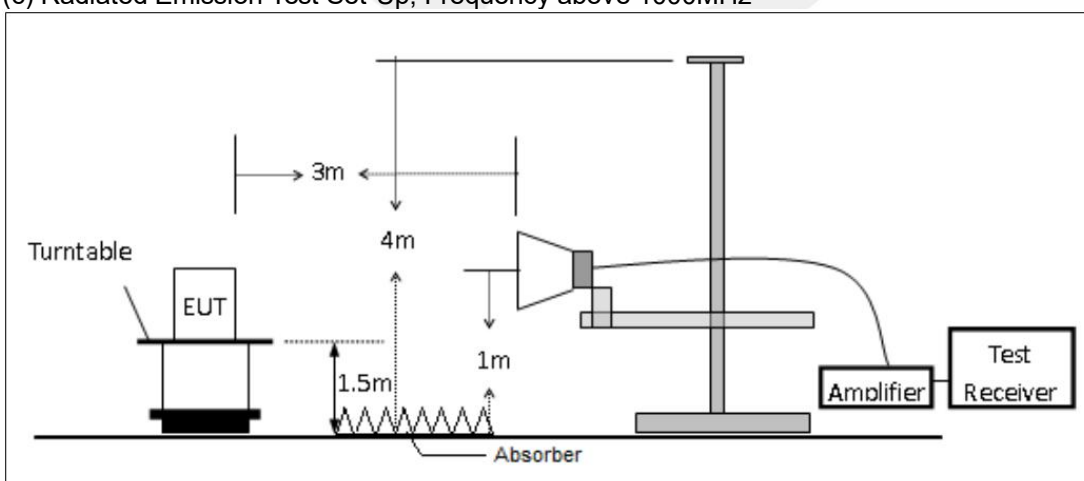
(a) Radiated Emission Test Set-Up, Frequency Below 30MHz



(b) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(c) Radiated Emission Test Set-Up, Frequency above 1000MHz

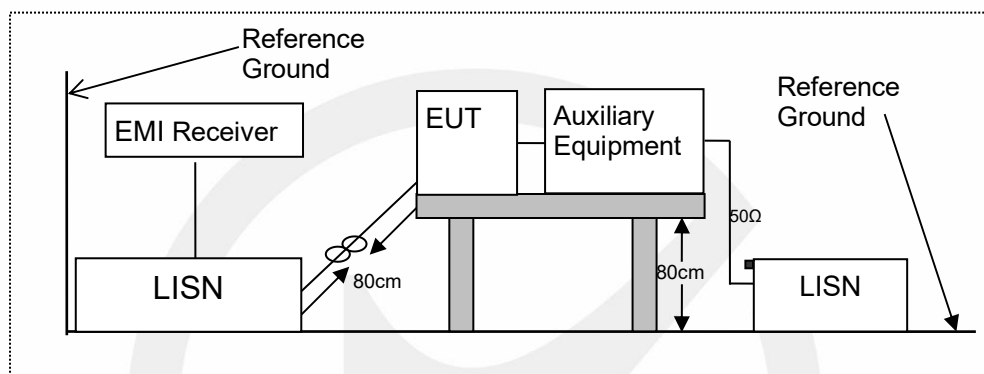


7.3 CONDUCTED EMISSION TEST SETUP

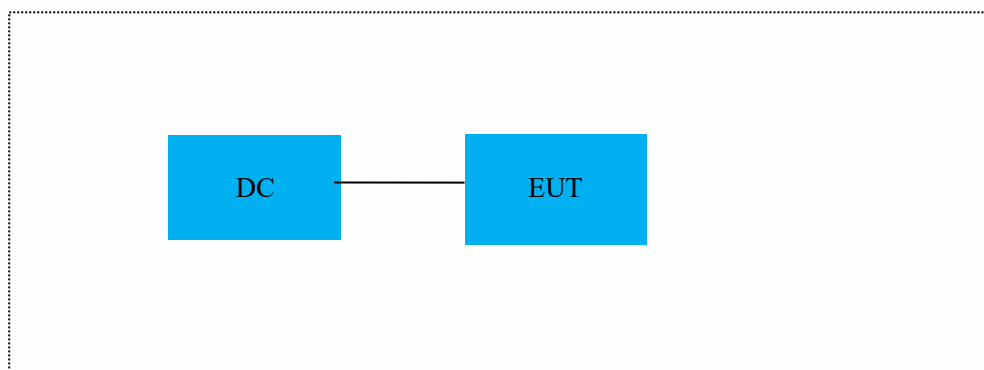
The mains cable of the EUT (maybe per AC/DC Adapter) must be connected to LISN. The LISN shall be placed 0.8 m from the boundary of EUT and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance is between the closest points of the LISN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8m from the LISN.

Ground connections, where required for safety purposes, shall be connected to the reference ground point of the LISN and, where not otherwise provided or specified by the manufacturer, shall be of same length as the mains cable and run parallel to the mains connection at a separation distance of not more than 0.1 m.

According to the requirements in Section 13.1.4.1 of ANSI C63.10-2020/Cor 1-2021 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode.



7.4 BLOCK DIAGRAM CONFIGURATION OF TEST SYSTEM



7.5 SUPPORT EQUIPMENT

N/A

Notes:

- 1.All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2.Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

8 TEST REQUIREMENTS

8.1 OCCUPIED BANDWIDTH

8.1.1 Applicable Standard

According to FCC Part 15.407(a)
 According to 789033 D02 Section II.C.1 and Section II.D
 According to 987594 D02 Section II.C and Section II.D
 According to RSS-Gen 6.7, RSS-248 4.4

8.1.2 Conformance Limit

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

8.1.3 Test Configuration

Test according to clause 7.1 radio frequency test setup.

8.1.4 Test Procedure

Emission Bandwidth (EBW)

- Set RBW = approximately 1% of the emission bandwidth.
- Set the VBW > RBW.
- Detector = Peak.
- Trace mode = max hold.
- Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

99% Occupied Bandwidth

The following procedure shall be used for measuring (99 %) power bandwidth:

- Set center frequency to the nominal EUT channel center frequency.
- Set span = 1.5 times to 5.0 times the OBW.
- Set RBW = 1 % to 5 % of the OBW
- Set VBW $\geq 3 \times$ RBW
- Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
- Use the 99 % power bandwidth function of the instrument.

8.1.5 Test Results

PASS

Temperature :	24.1℃	ATM Pressure:	1011 mbar
Humidity :	50%	Test Engineer:	LHJ

26dB Bandwidth

Full RU and Partial RU has been tested, and find the full RU is the worst, so only the worst data is shown in the report.

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11AX20MIMO	Ant1	5955	22.20	5944.08	5966.28	≤320	PASS
11AX20MIMO	Ant2	5955	29.28	5941.36	5970.64	≤320	PASS
11AX20MIMO	Ant1	6175	24.56	6162.32	6186.88	≤320	PASS
11AX20MIMO	Ant2	6175	25.88	6162.24	6188.12	≤320	PASS
11AX20MIMO	Ant1	6415	26.40	6400.72	6427.12	≤320	PASS
11AX20MIMO	Ant2	6415	31.88	6399.72	6431.60	≤320	PASS
11AX20MIMO	Ant1	6435	31.56	6417.96	6449.52	≤320	PASS
11AX20MIMO	Ant2	6435	25.68	6422.40	6448.08	≤320	PASS
11AX20MIMO	Ant1	6475	28.24	6459.24	6487.48	≤320	PASS
11AX20MIMO	Ant2	6475	22.84	6463.88	6486.72	≤320	PASS
11AX20MIMO	Ant1	6515	29.56	6498.68	6528.24	≤320	PASS
11AX20MIMO	Ant2	6515	27.40	6499.96	6527.36	≤320	PASS
11AX20MIMO	Ant1	6535	29.72	6520.68	6550.40	≤320	PASS
11AX20MIMO	Ant2	6535	25.20	6521.80	6547.00	≤320	PASS
11AX20MIMO	Ant1	6695	25.36	6681.24	6706.60	≤320	PASS
11AX20MIMO	Ant2	6695	26.48	6681.64	6708.12	≤320	PASS
11AX20MIMO	Ant1	6855	31.32	6837.56	6868.88	≤320	PASS
11AX20MIMO	Ant2	6855	25.72	6840.68	6866.40	≤320	PASS
11AX20MIMO	Ant1	6875	24.36	6863.28	6887.64	≤320	PASS
11AX20MIMO	Ant2	6875	24.56	6863.72	6888.28	≤320	PASS
11AX20MIMO	Ant1	6895	33.64	6879.32	6912.96	≤320	PASS
11AX20MIMO	Ant2	6895	23.36	6883.04	6906.40	≤320	PASS
11AX20MIMO	Ant1	6995	27.44	6982.40	7009.84	≤320	PASS
11AX20MIMO	Ant2	6995	27.60	6981.60	7009.20	≤320	PASS
11AX20MIMO	Ant1	7115	26.68	7102.12	7128.80	≤320	PASS
11AX20MIMO	Ant2	7115	23.92	7102.48	7126.40	≤320	PASS
11AX40MIMO	Ant1	5965	39.76	5945.08	5984.84	≤320	PASS
11AX40MIMO	Ant2	5965	39.68	5945.16	5984.84	≤320	PASS
11AX40MIMO	Ant1	6165	39.84	6145.08	6184.92	≤320	PASS
11AX40MIMO	Ant2	6165	39.76	6145.16	6184.92	≤320	PASS
11AX40MIMO	Ant1	6405	39.76	6385.16	6424.92	≤320	PASS
11AX40MIMO	Ant2	6405	39.84	6385.08	6424.92	≤320	PASS
11AX40MIMO	Ant1	6445	39.60	6425.16	6464.76	≤320	PASS
11AX40MIMO	Ant2	6445	39.68	6425.16	6464.84	≤320	PASS
11AX40MIMO	Ant1	6485	39.92	6465.00	6504.92	≤320	PASS
11AX40MIMO	Ant2	6485	39.68	6465.16	6504.84	≤320	PASS
11AX40MIMO	Ant1	6525	39.68	6505.16	6544.84	≤320	PASS
11AX40MIMO	Ant2	6525	39.76	6505.08	6544.84	≤320	PASS
11AX40MIMO	Ant1	6565	39.76	6545.08	6584.84	≤320	PASS
11AX40MIMO	Ant2	6565	39.84	6545.08	6584.92	≤320	PASS
11AX40MIMO	Ant1	6685	39.76	6665.08	6704.84	≤320	PASS
11AX40MIMO	Ant2	6685	39.68	6665.16	6704.84	≤320	PASS
11AX40MIMO	Ant1	6845	39.76	6825.08	6864.84	≤320	PASS
11AX40MIMO	Ant2	6845	39.84	6825.08	6864.92	≤320	PASS
11AX40MIMO	Ant1	6885	39.84	6865.08	6904.92	≤320	PASS
11AX40MIMO	Ant2	6885	39.60	6865.24	6904.84	≤320	PASS
11AX40MIMO	Ant1	6925	39.68	6905.08	6944.76	≤320	PASS
11AX40MIMO	Ant2	6925	39.52	6905.24	6944.76	≤320	PASS
11AX40MIMO	Ant1	6965	39.68	6945.16	6984.84	≤320	PASS
11AX40MIMO	Ant2	6965	39.60	6945.16	6984.76	≤320	PASS

11AX40MIMO	Ant1	7085	39.92	7065.00	7104.92	≤320	PASS
11AX40MIMO	Ant2	7085	39.68	7065.16	7104.84	≤320	PASS
11AX80MIMO	Ant1	5985	80.64	5944.68	6025.32	≤320	PASS
11AX80MIMO	Ant2	5985	80.48	5944.68	6025.16	≤320	PASS
11AX80MIMO	Ant1	6145	80.32	6104.84	6185.16	≤320	PASS
11AX80MIMO	Ant2	6145	80.32	6104.84	6185.16	≤320	PASS
11AX80MIMO	Ant1	6385	80.80	6344.68	6425.48	≤320	PASS
11AX80MIMO	Ant2	6385	80.64	6344.68	6425.32	≤320	PASS
11AX80MIMO	Ant1	6465	80.48	6424.84	6505.32	≤320	PASS
11AX80MIMO	Ant2	6465	80.64	6424.84	6505.48	≤320	PASS
11AX80MIMO	Ant1	6545	80.64	6504.68	6585.32	≤320	PASS
11AX80MIMO	Ant2	6545	80.48	6504.84	6585.32	≤320	PASS
11AX80MIMO	Ant1	6625	80.64	6584.68	6665.32	≤320	PASS
11AX80MIMO	Ant2	6625	80.32	6584.84	6665.16	≤320	PASS
11AX80MIMO	Ant1	6705	80.64	6664.68	6745.32	≤320	PASS
11AX80MIMO	Ant2	6705	80.32	6664.84	6745.16	≤320	PASS
11AX80MIMO	Ant1	6785	80.64	6744.68	6825.32	≤320	PASS
11AX80MIMO	Ant2	6785	80.96	6744.52	6825.48	≤320	PASS
11AX80MIMO	Ant1	6865	80.64	6824.68	6905.32	≤320	PASS
11AX80MIMO	Ant2	6865	80.48	6824.84	6905.32	≤320	PASS
11AX80MIMO	Ant1	6945	80.64	6904.68	6985.32	≤320	PASS
11AX80MIMO	Ant2	6945	80.32	6904.84	6985.16	≤320	PASS
11AX80MIMO	Ant1	7025	80.64	6984.68	7065.32	≤320	PASS
11AX80MIMO	Ant2	7025	80.64	6984.68	7065.32	≤320	PASS

26dB Bandwidth Test Graphs

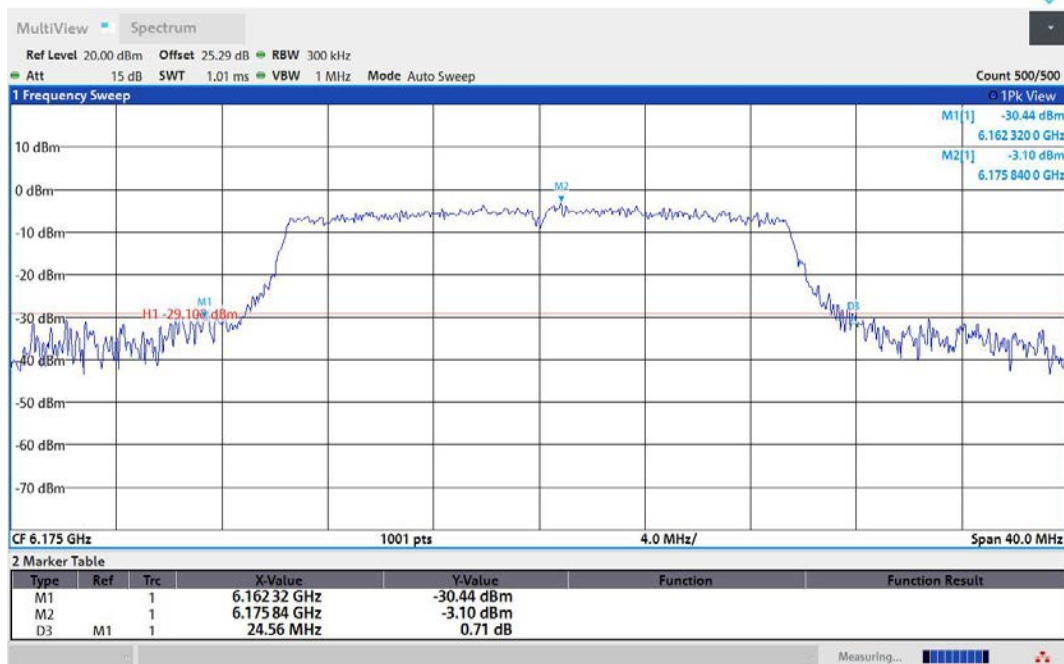
Full RU and Partial RU has been tested, and find the full RU is the worst, so only the worst data is shown in the report.



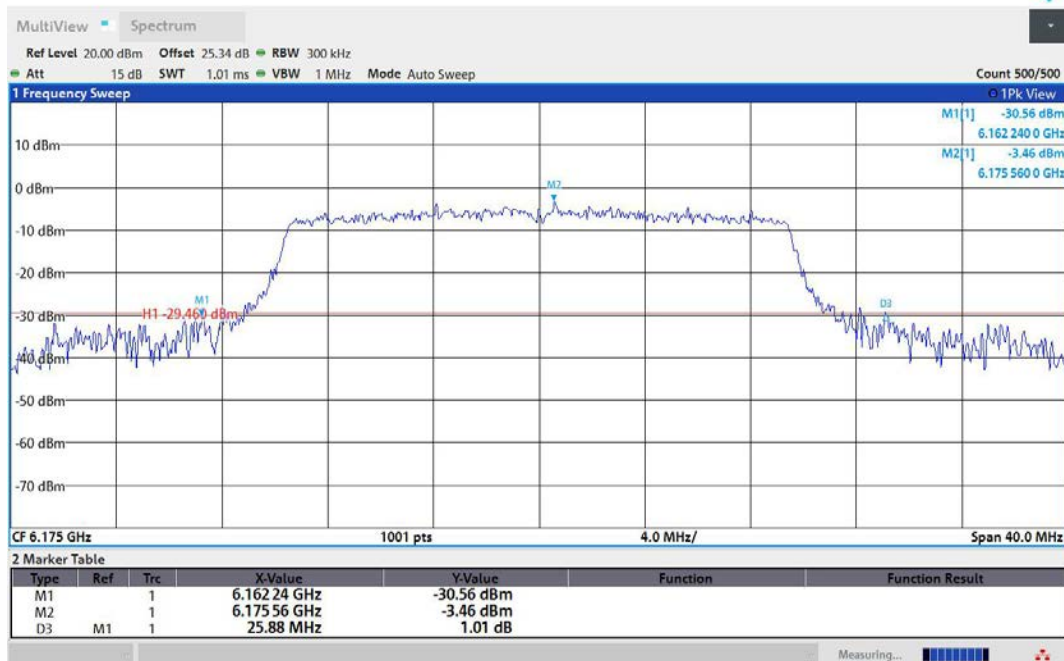
11AX20MIMO-Ant1-5955



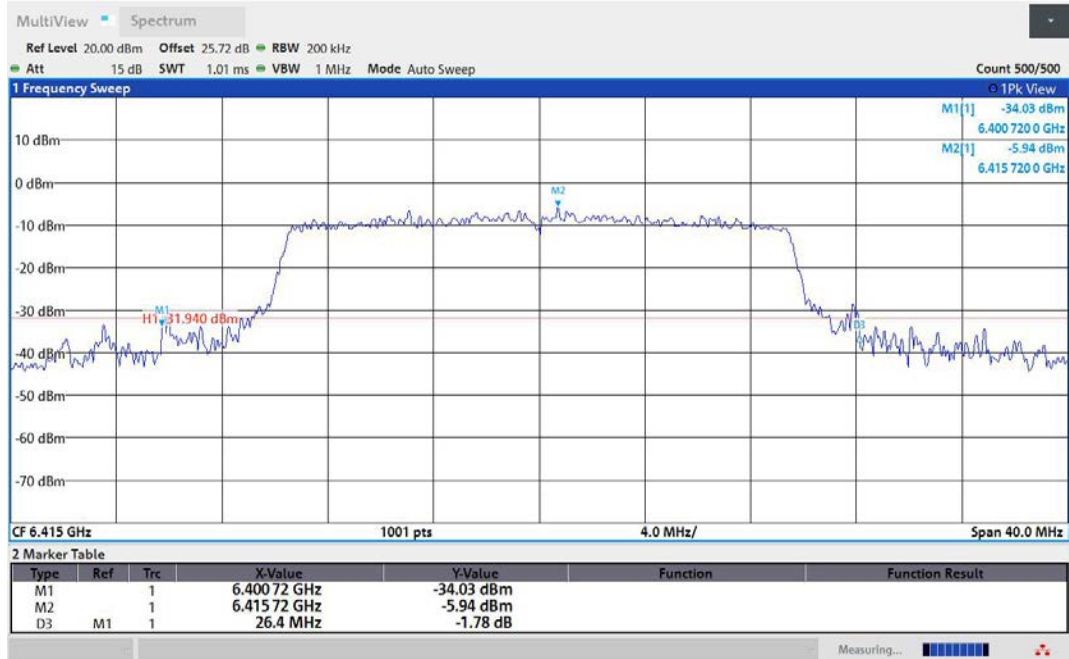
11AX20MIMO-Ant2-5955



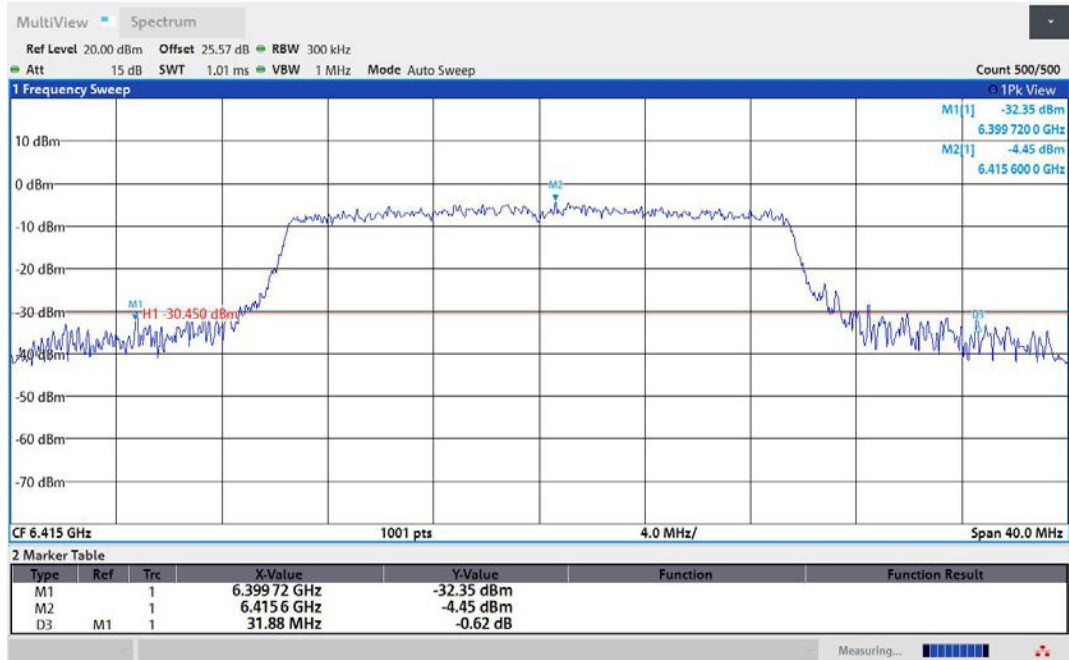
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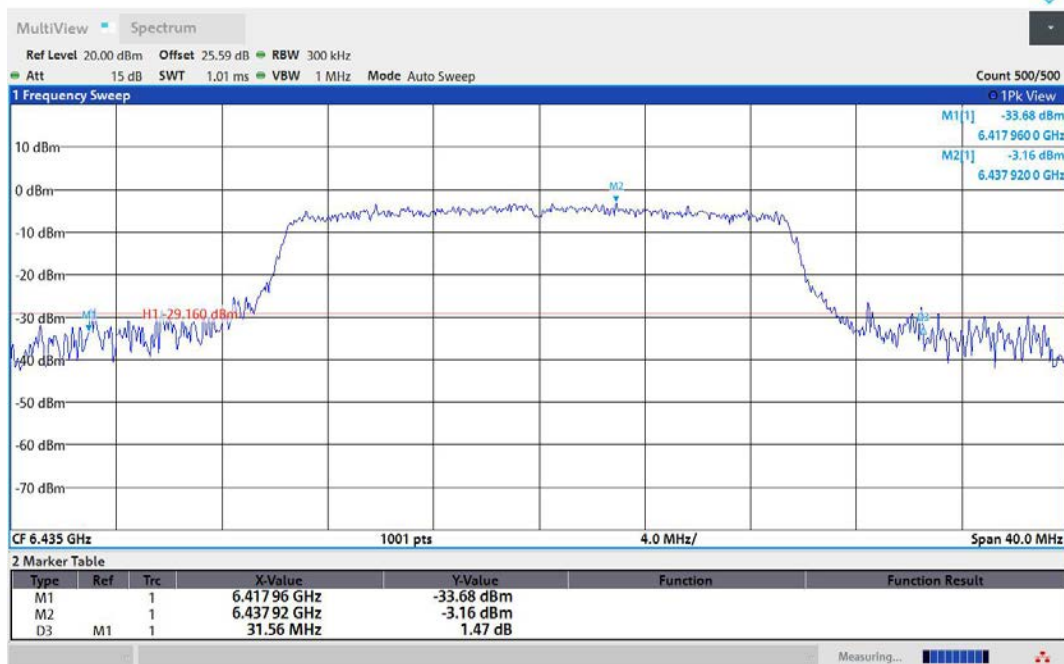
11AX20MIMO-Ant2-6175



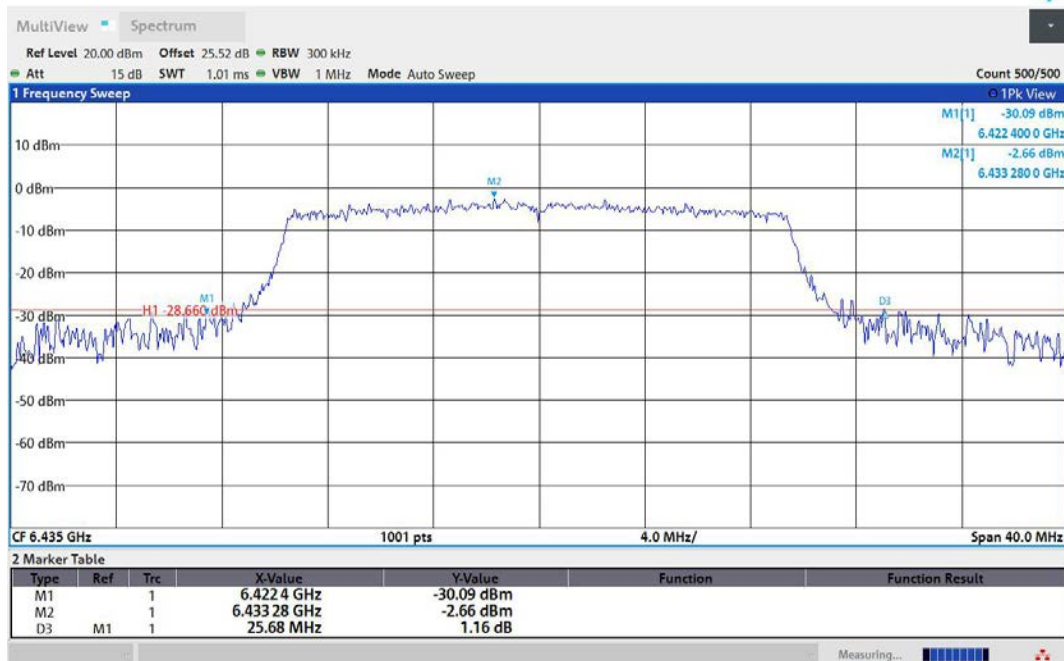
11AX20MIMO-Ant1-6415



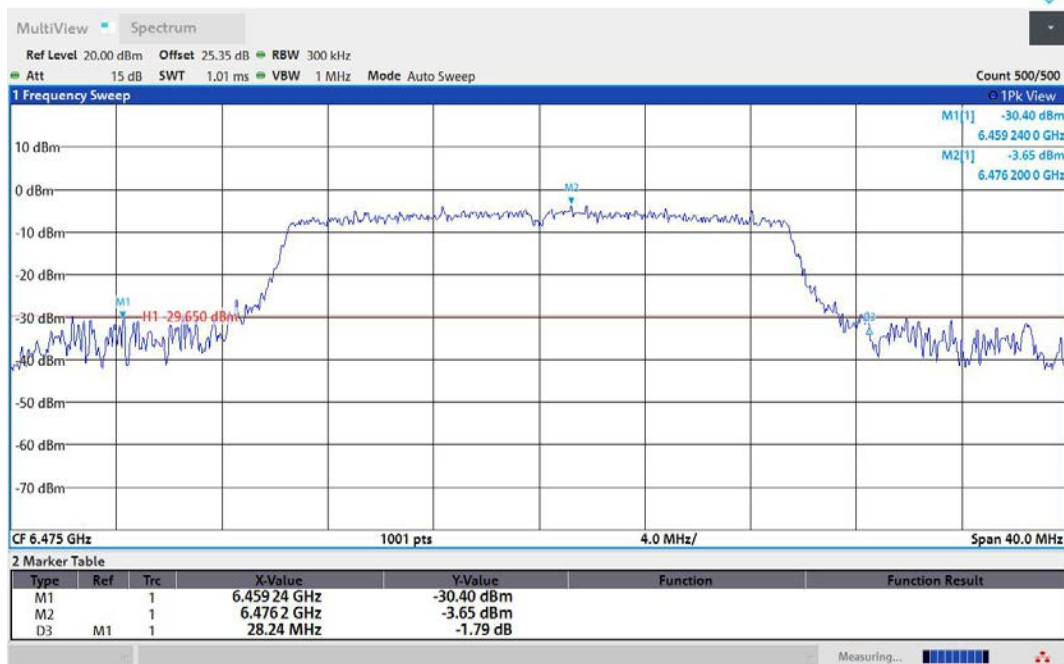
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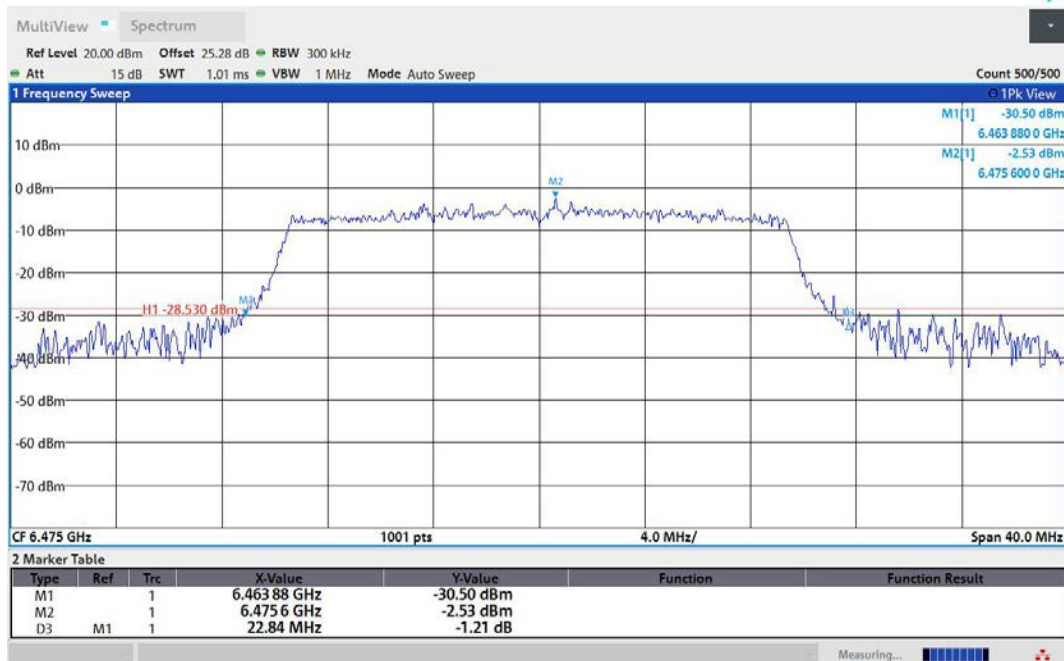
11AX20MIMO-Ant1-6435



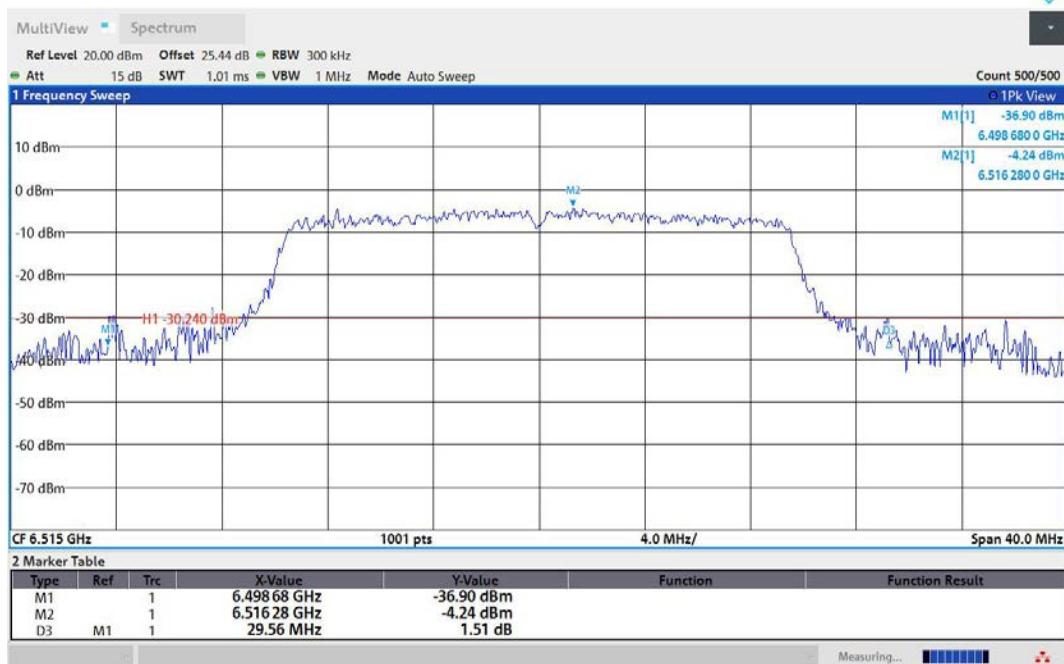
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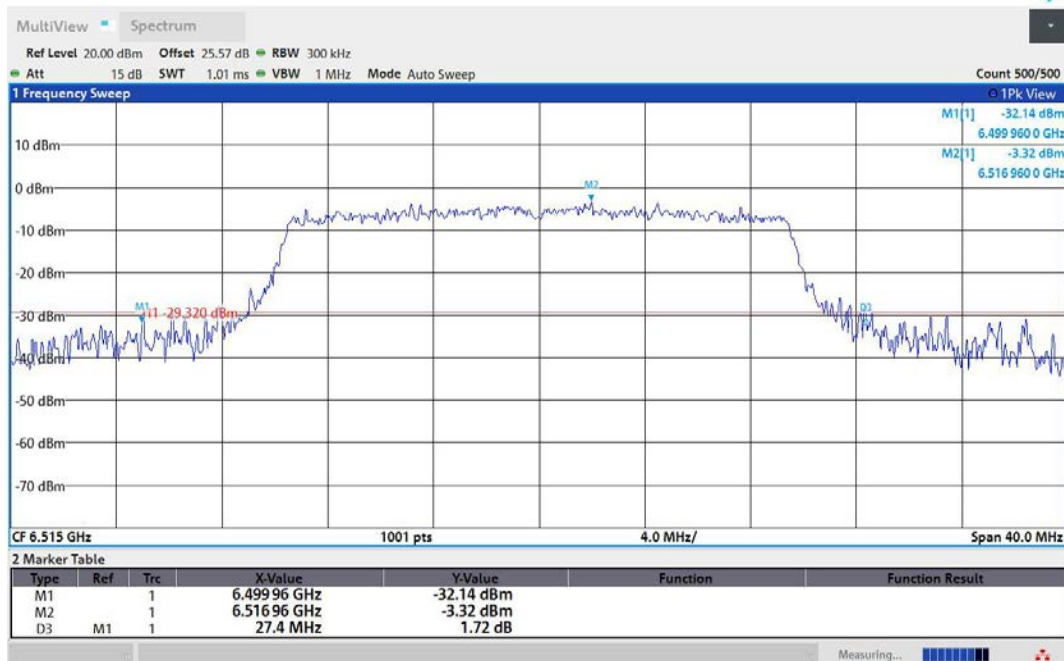
11AX20MIMO-Ant1-6475



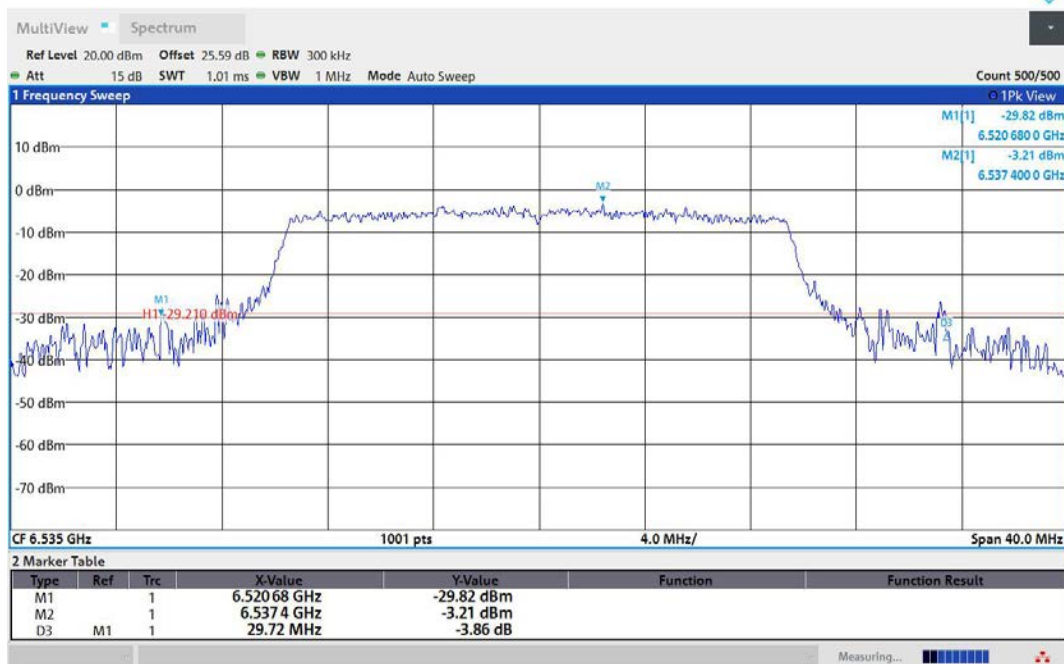
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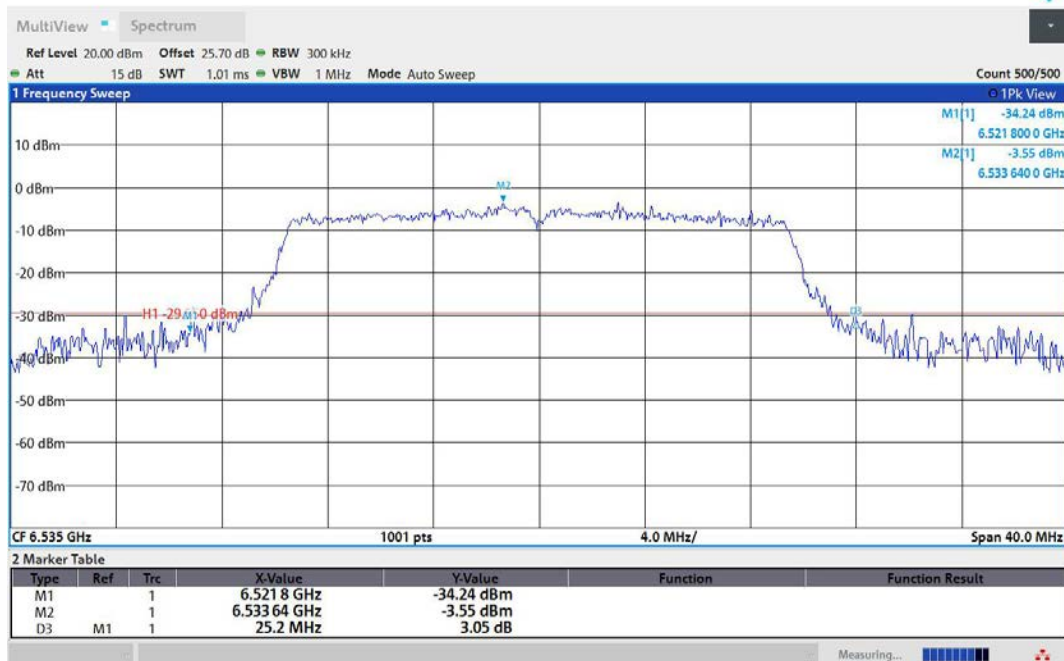
11AX20MIMO-Ant1-6515



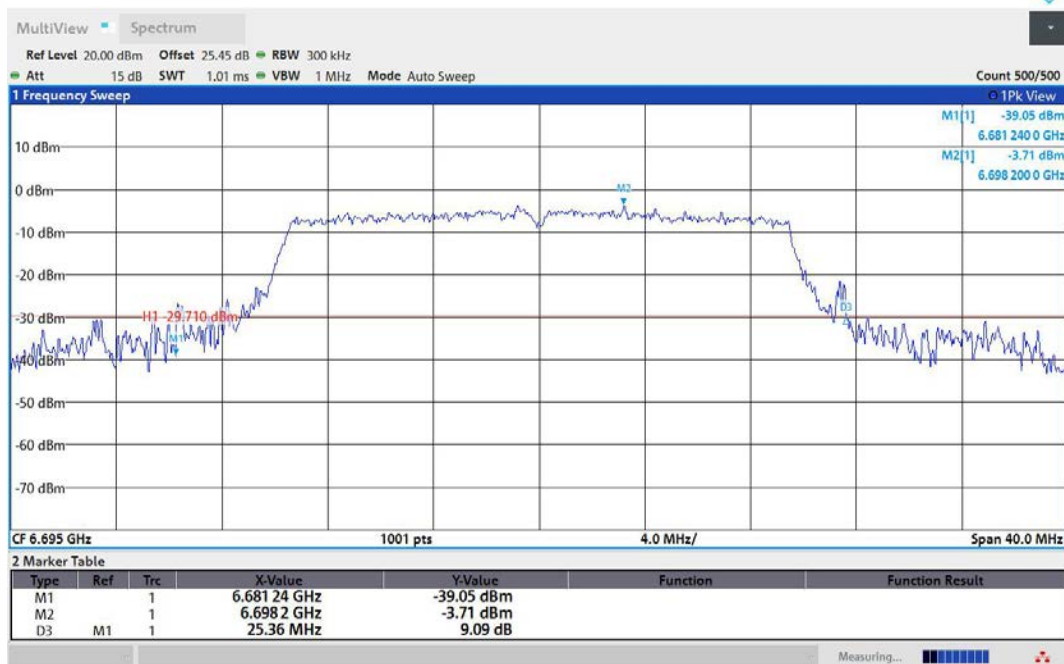
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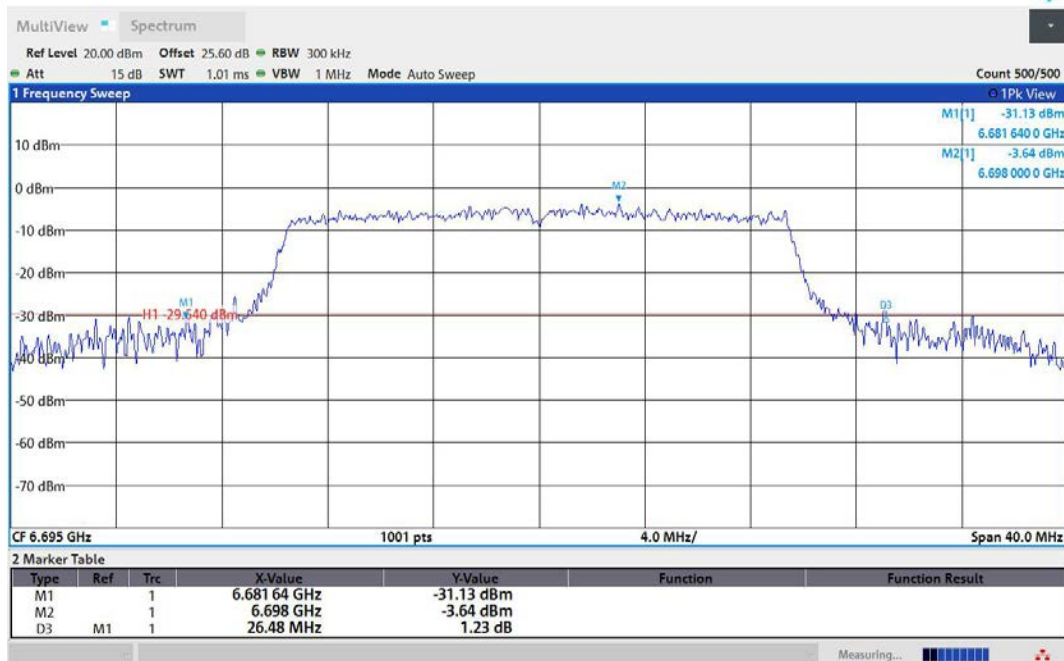
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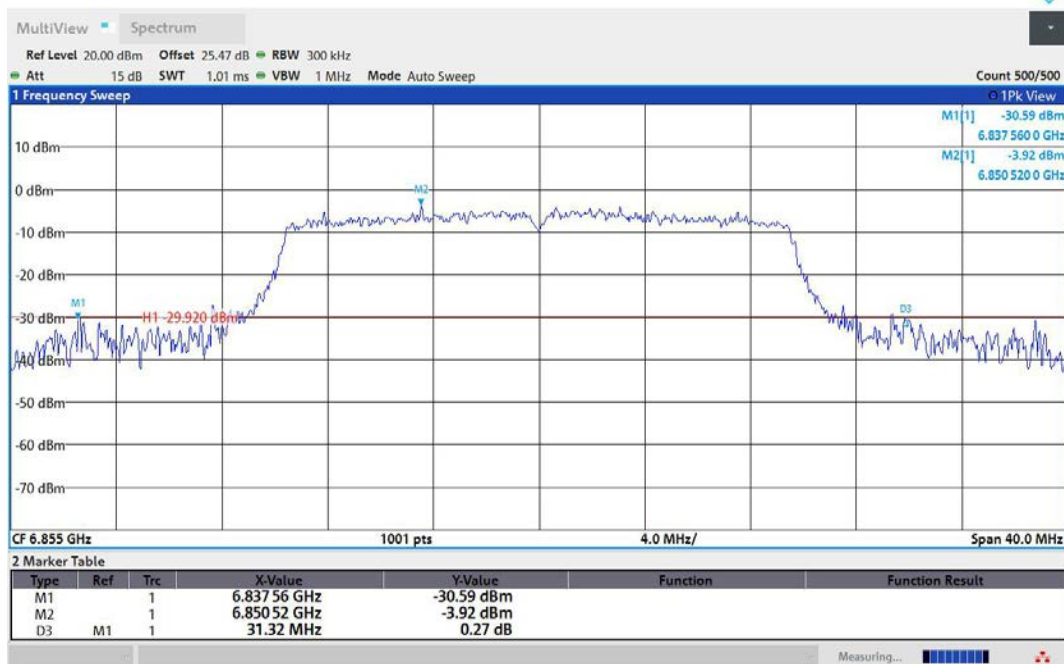
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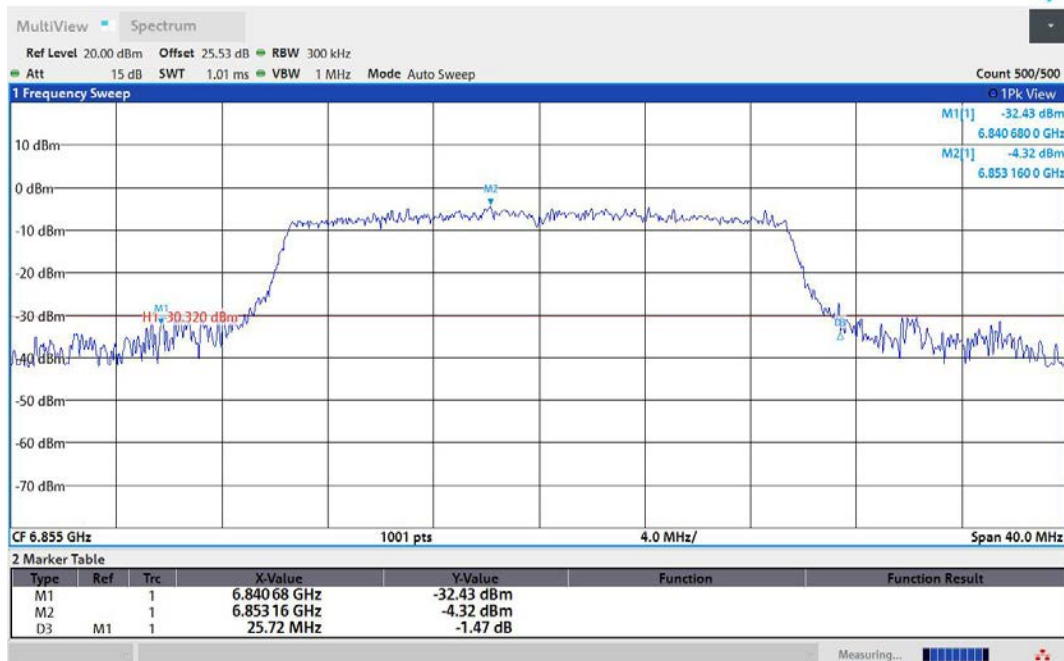
11AX20MIMO-Ant1-6695



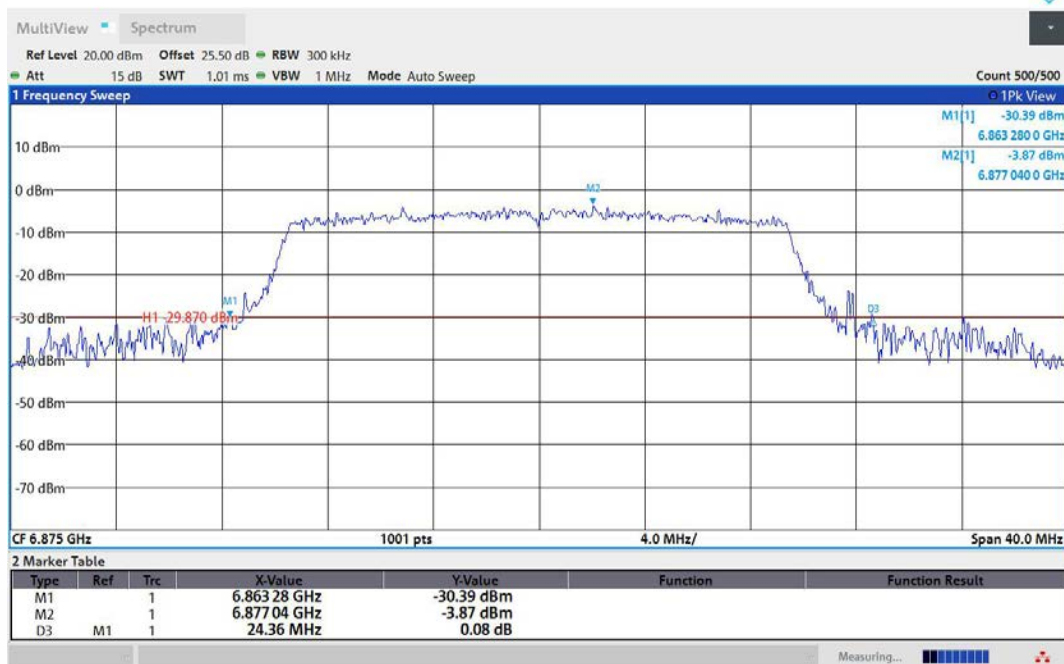
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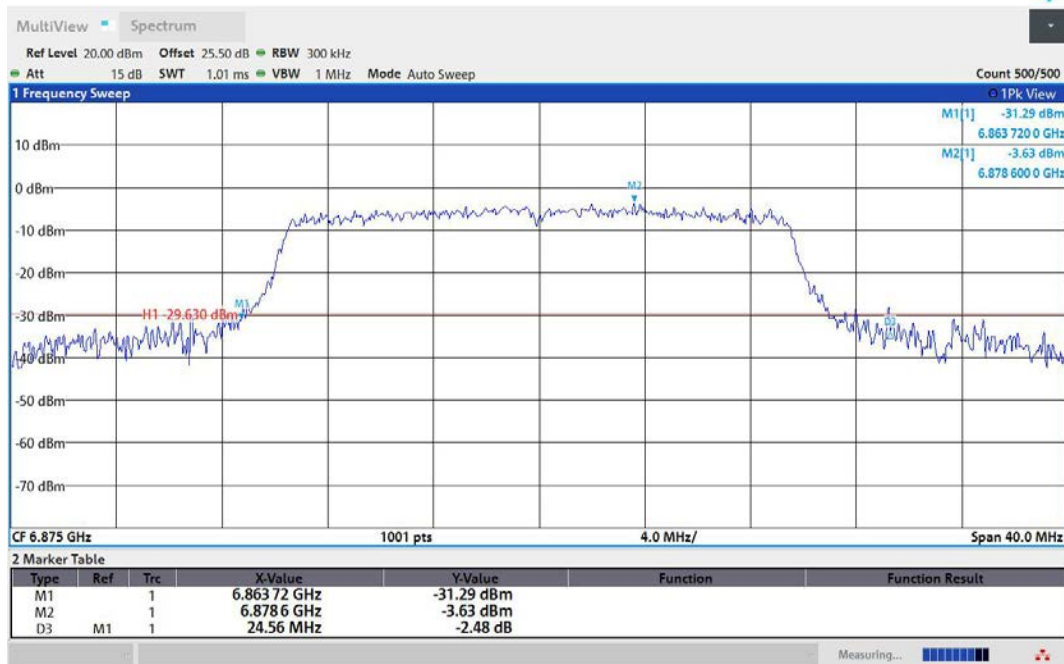
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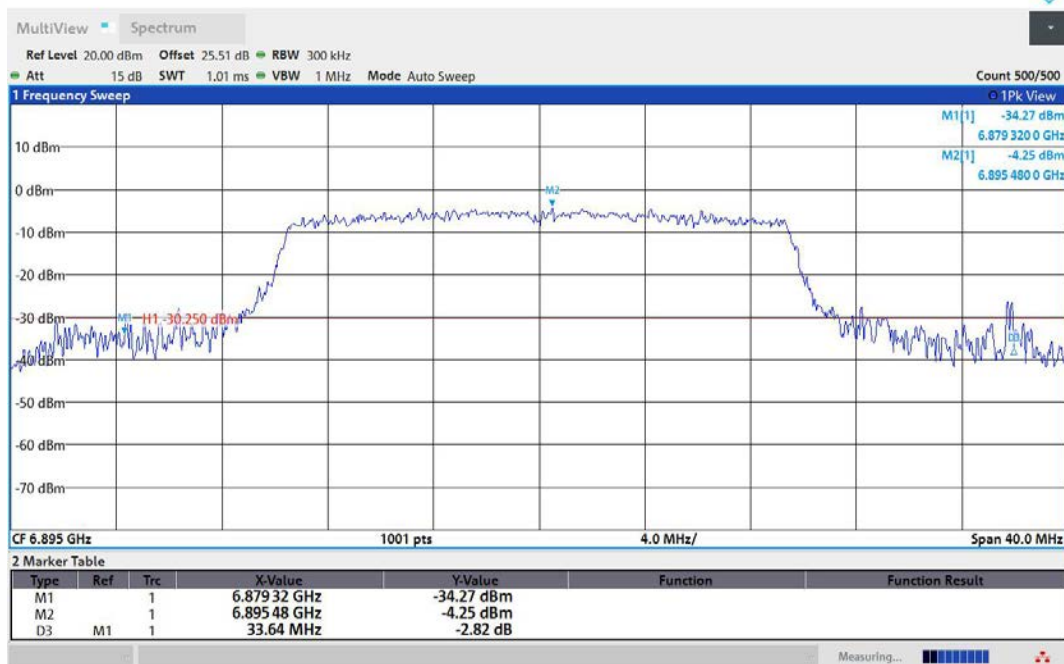
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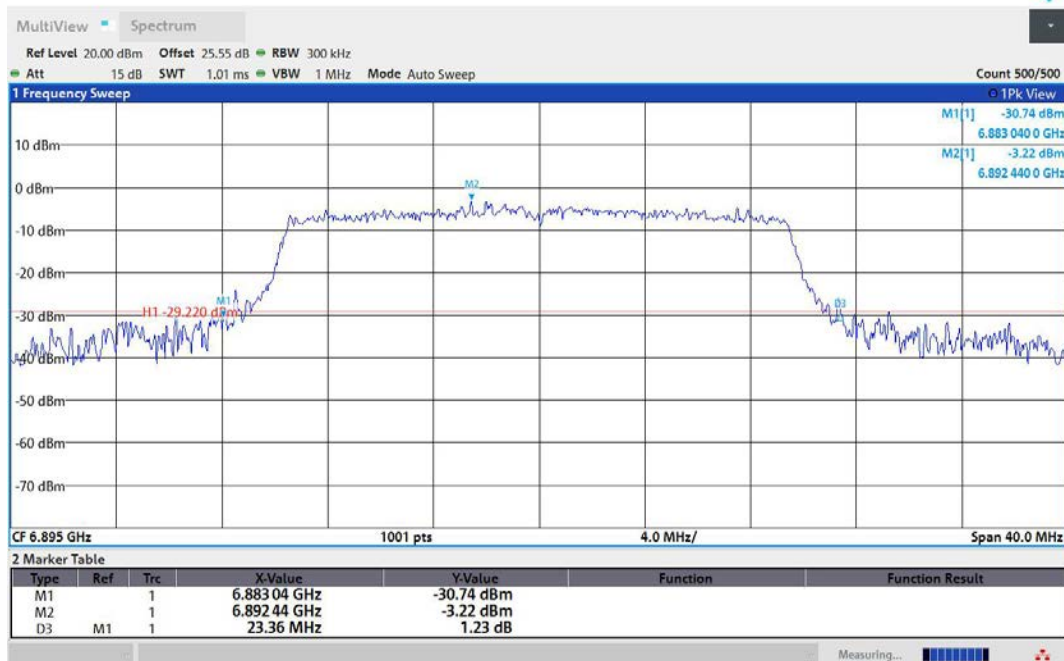
11AX20MIMO-Ant1-6875



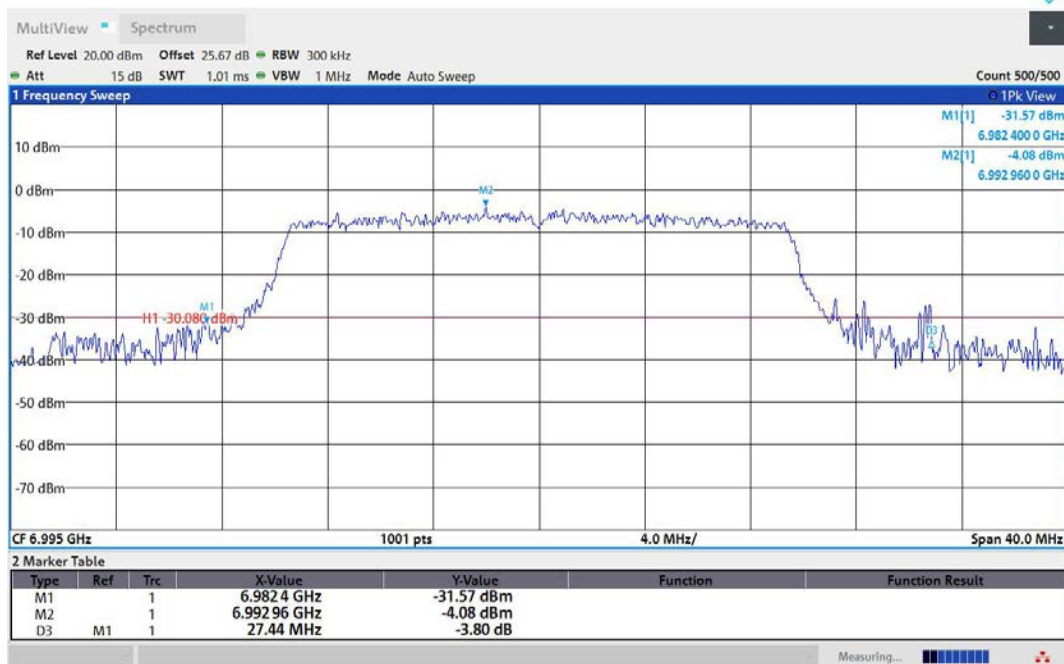
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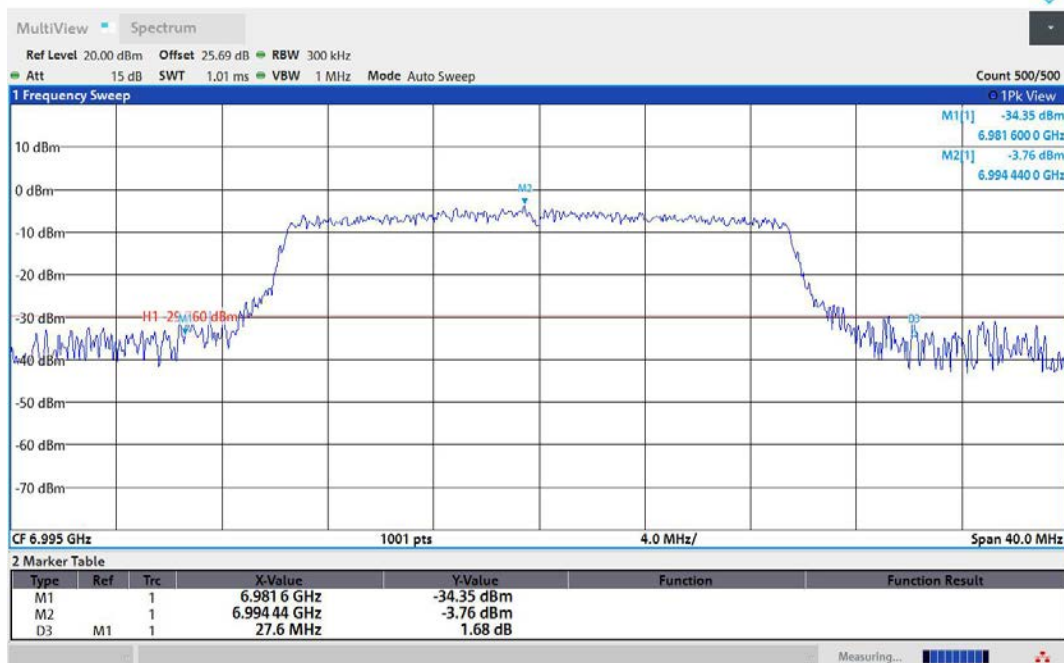
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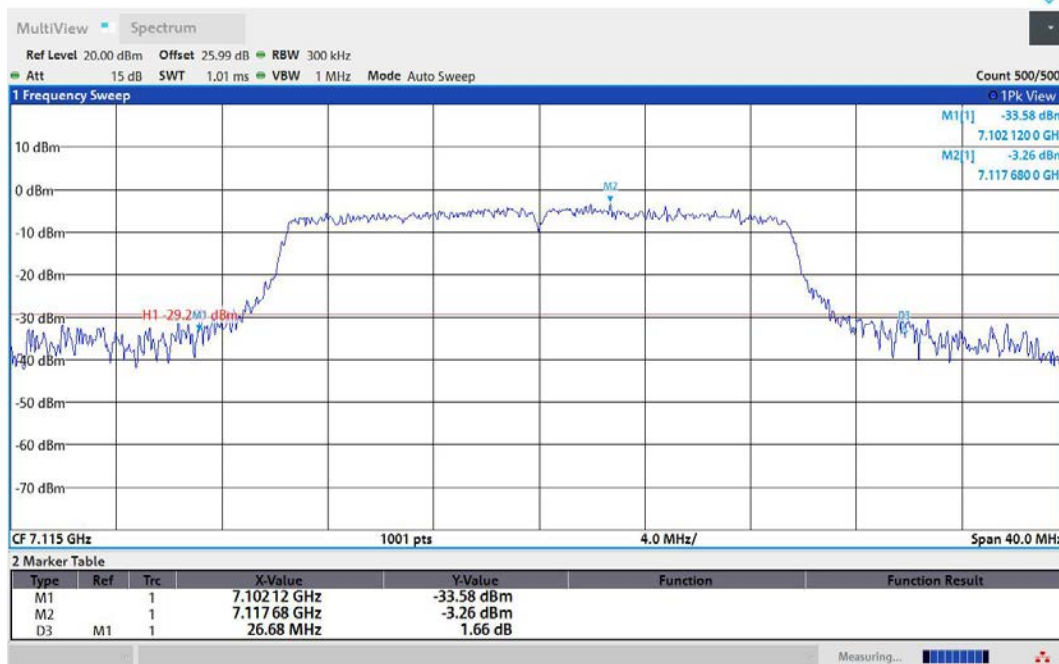
11AX20MIMO-Ant2-6895



11AX20MIMO-Ant1-6995



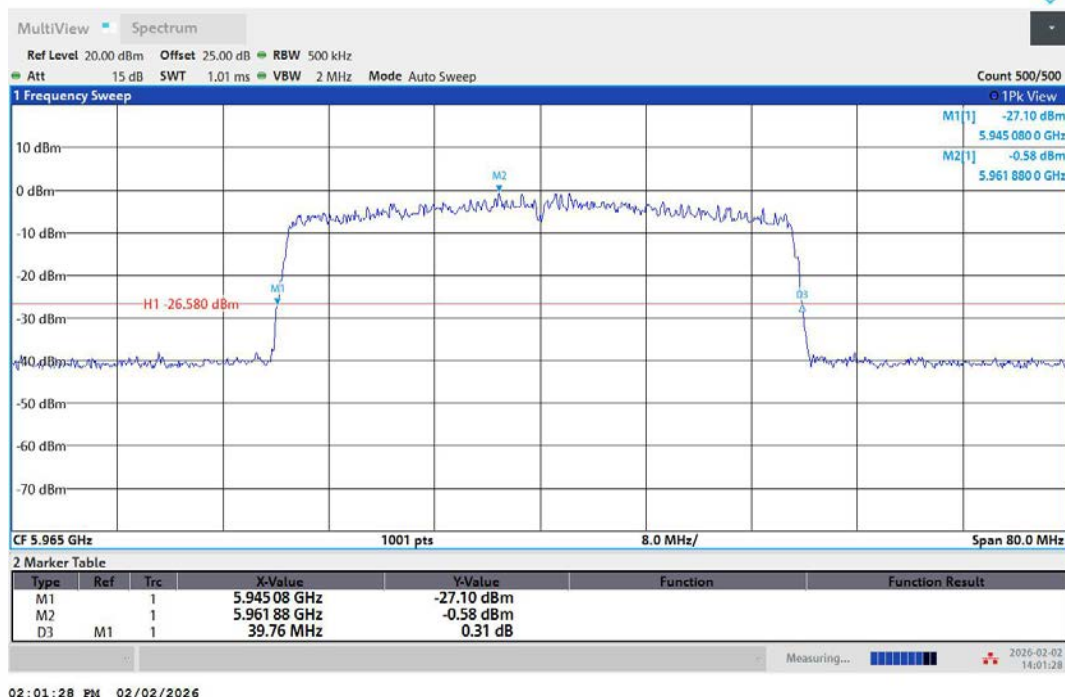
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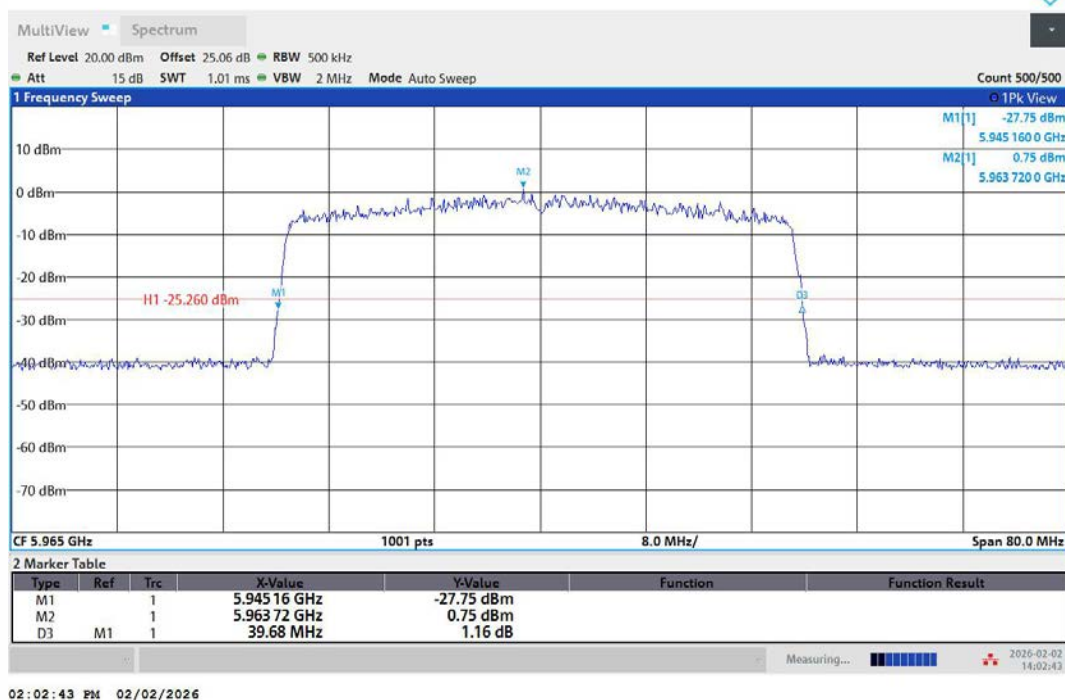
11AX20MIMO-Ant1-7115



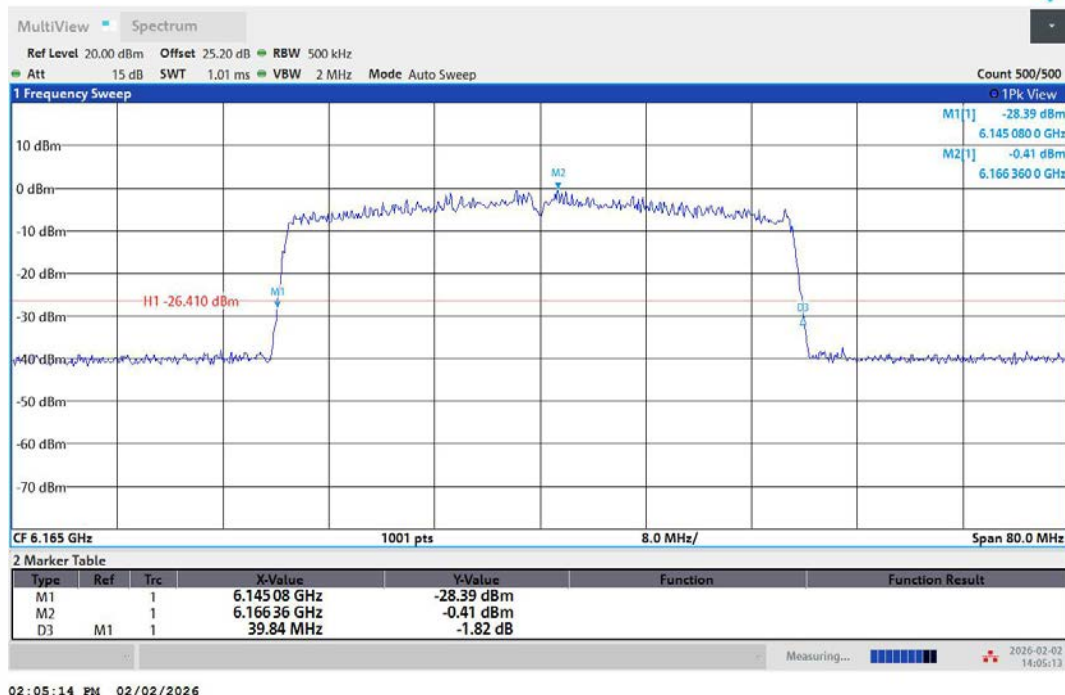
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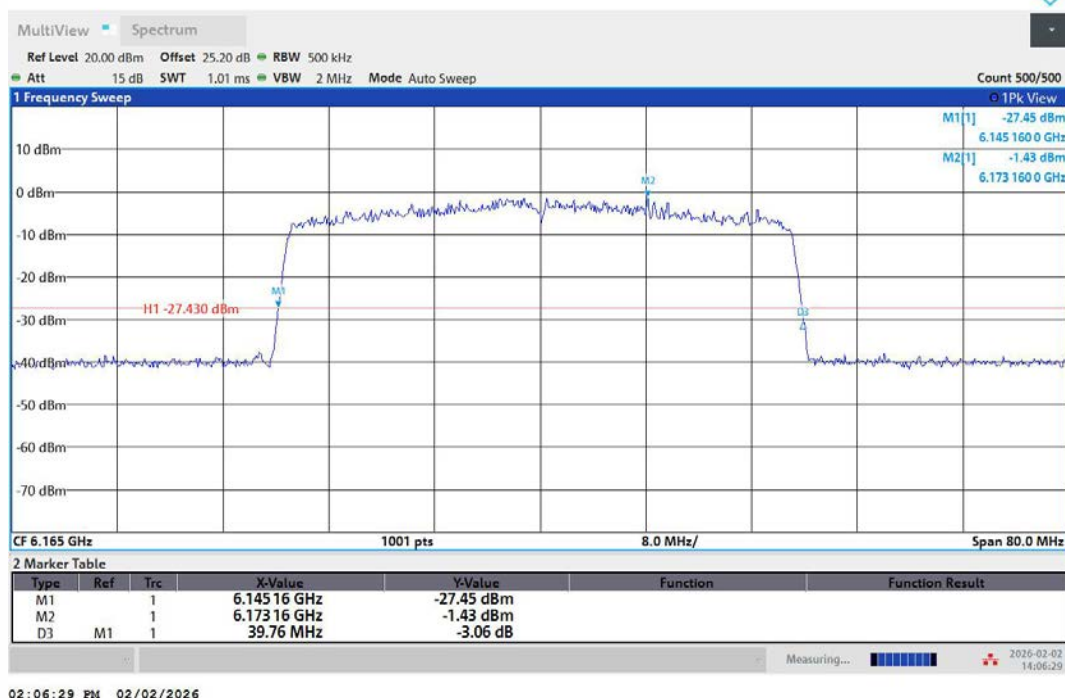
11AX40MIMO-Ant1-5965



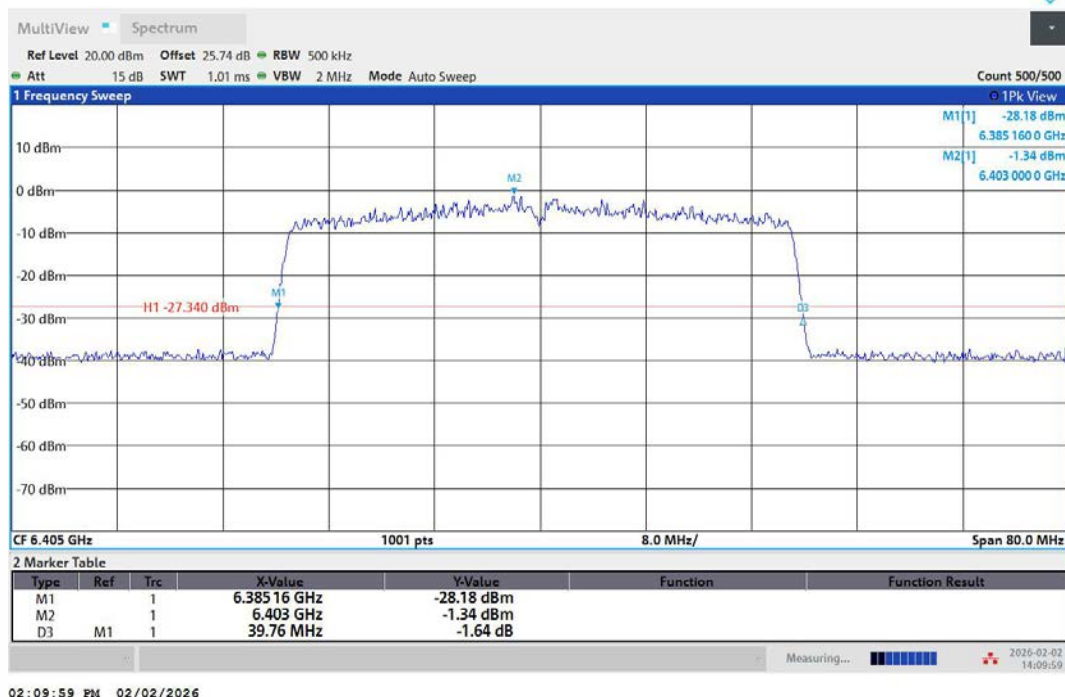
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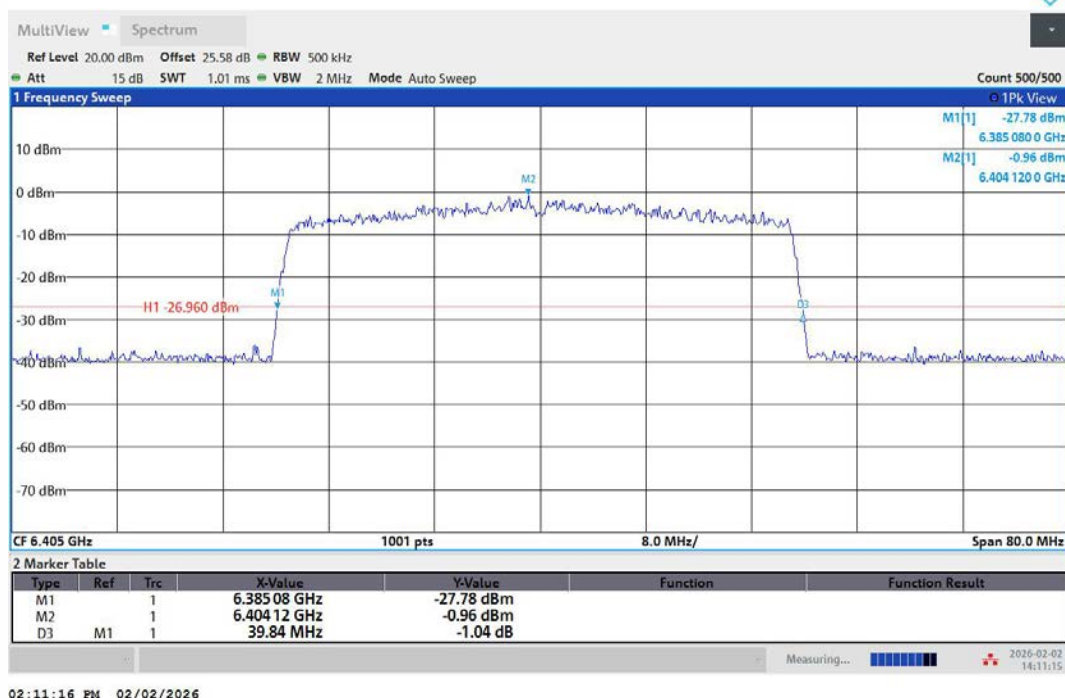
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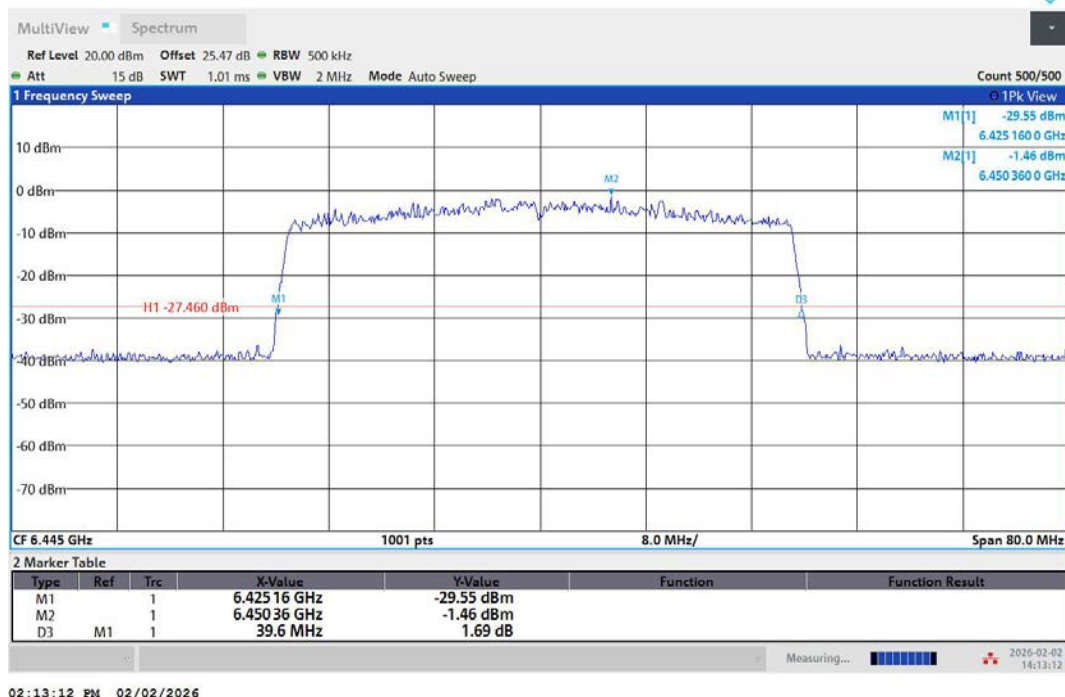
11AX40MIMO-Ant2-6165



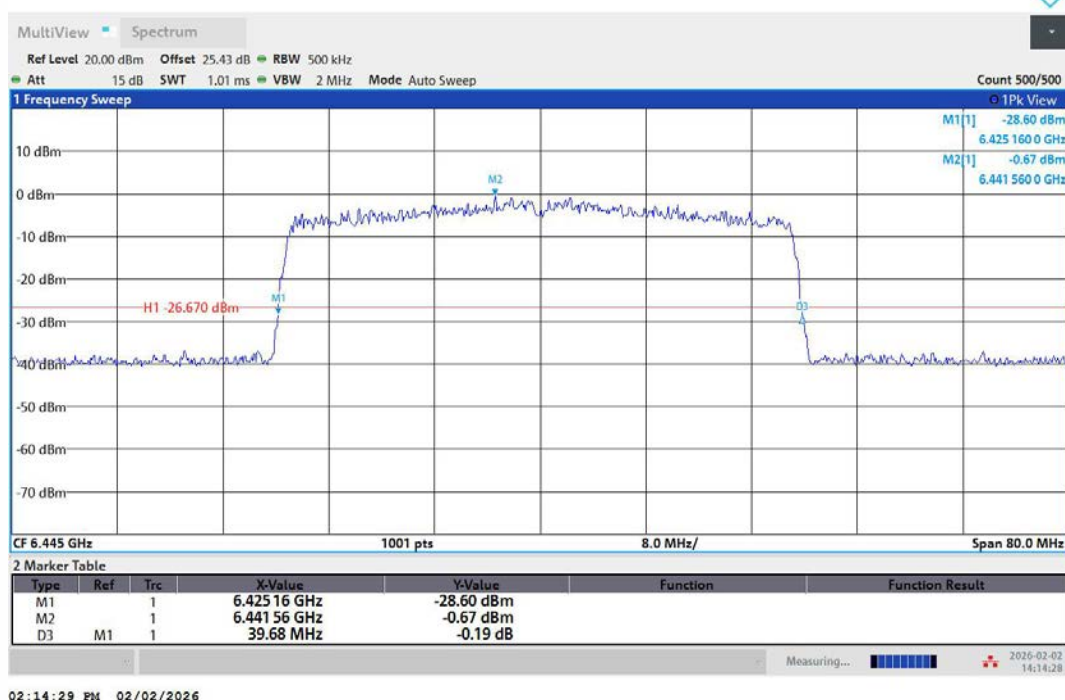
11AX40MIMO-Ant1-6405



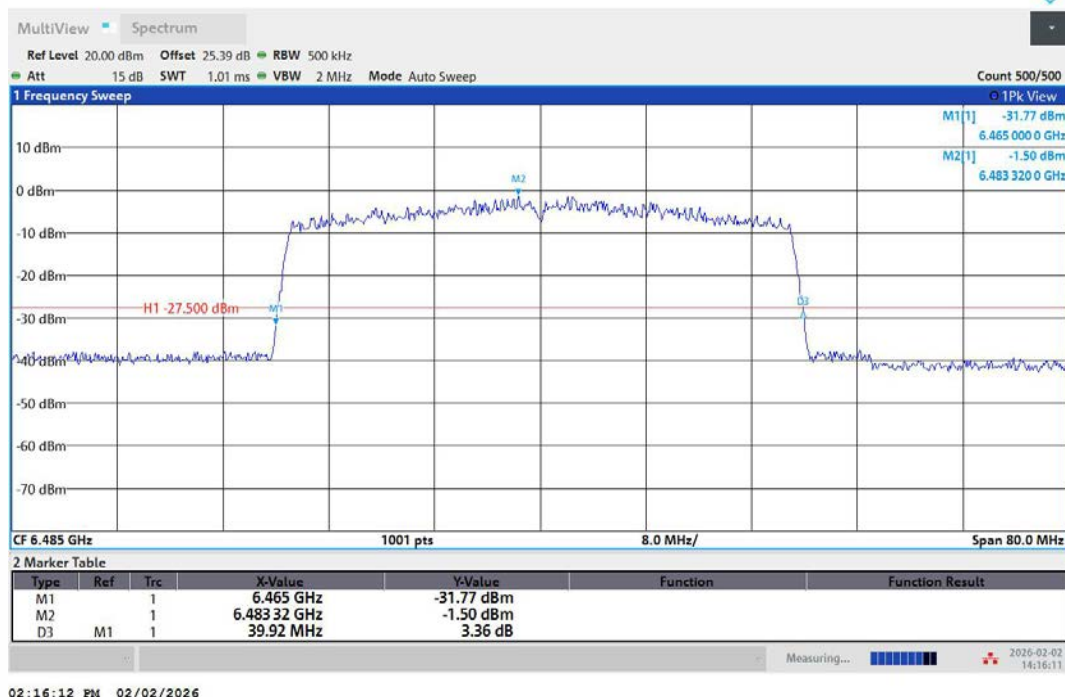
11AX40MIMO-Ant2-6405



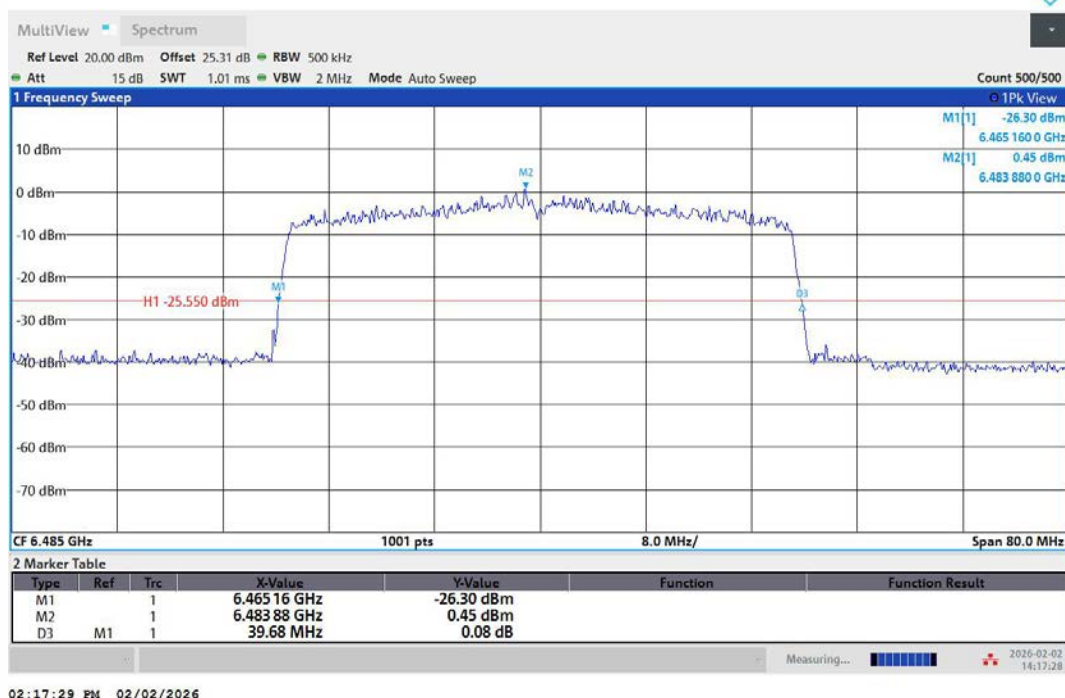
11AX40MIMO-Ant1-6445



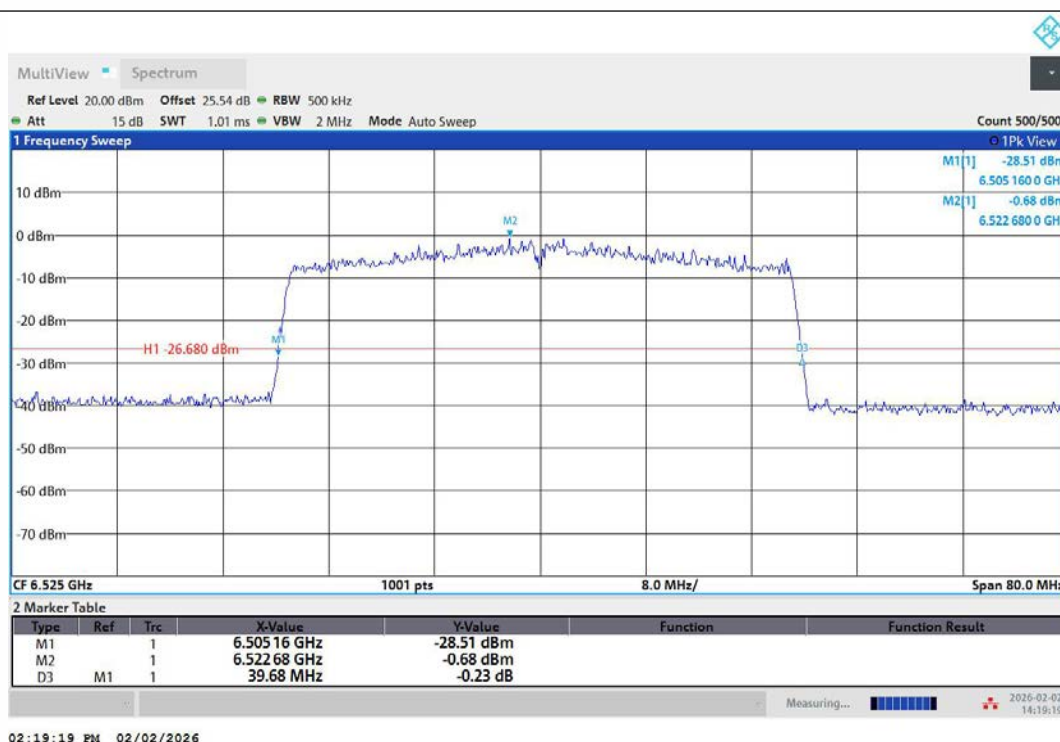
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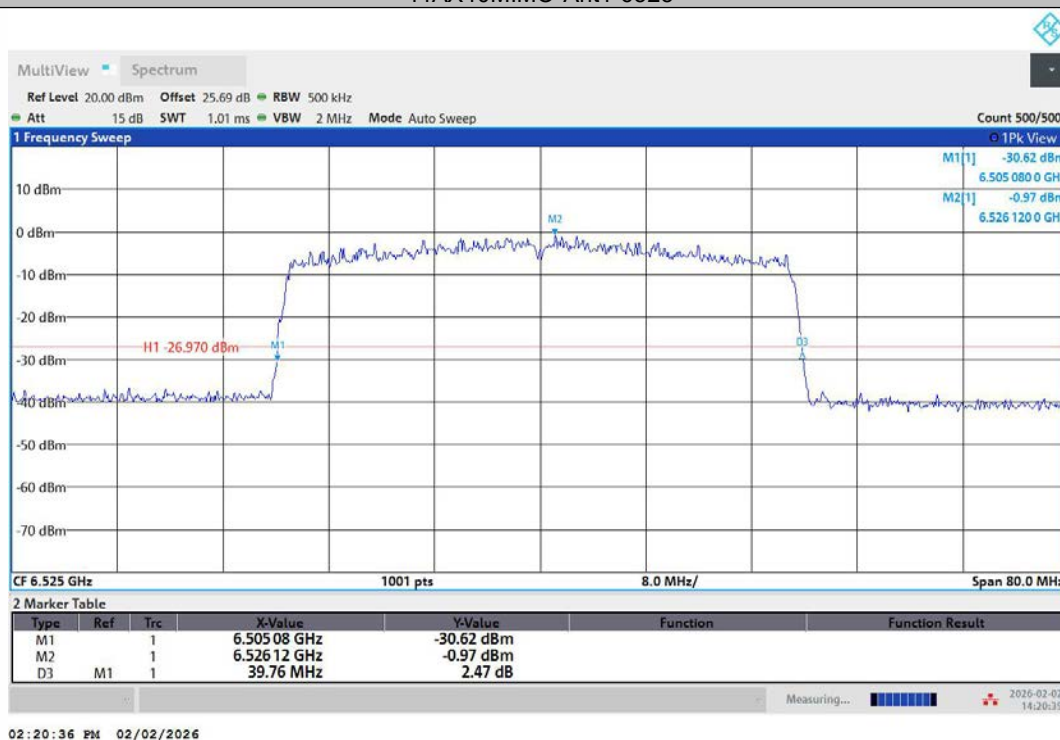
11AX40MIMO-Ant1-6485



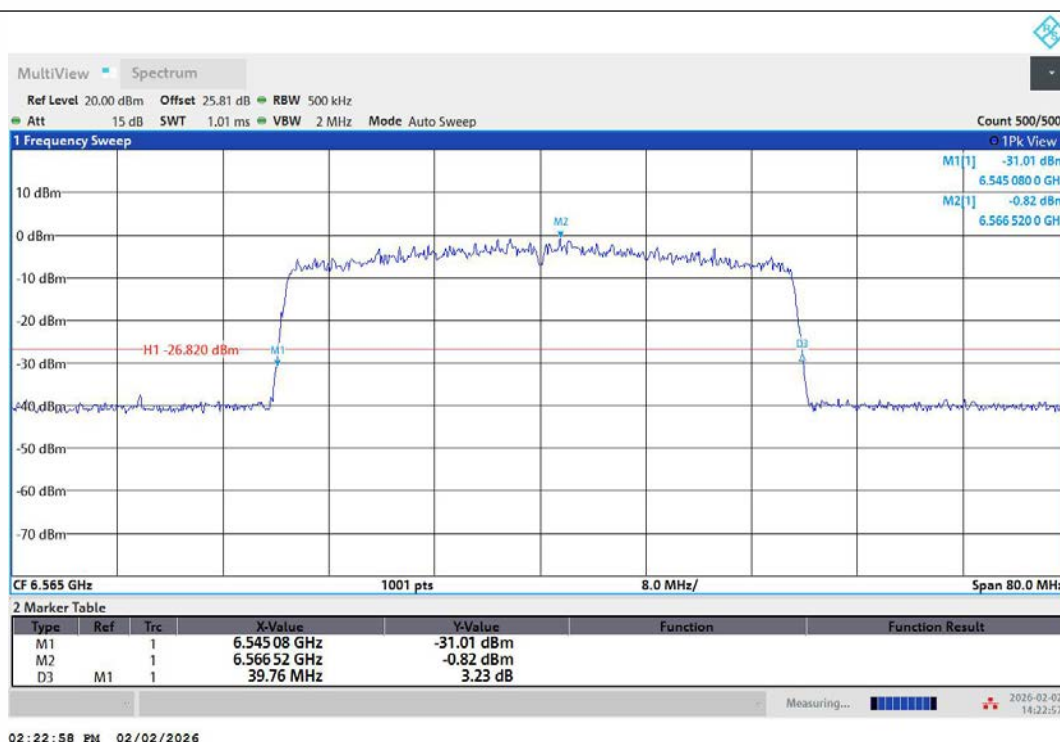
11AX40MIMO-Ant2-6485



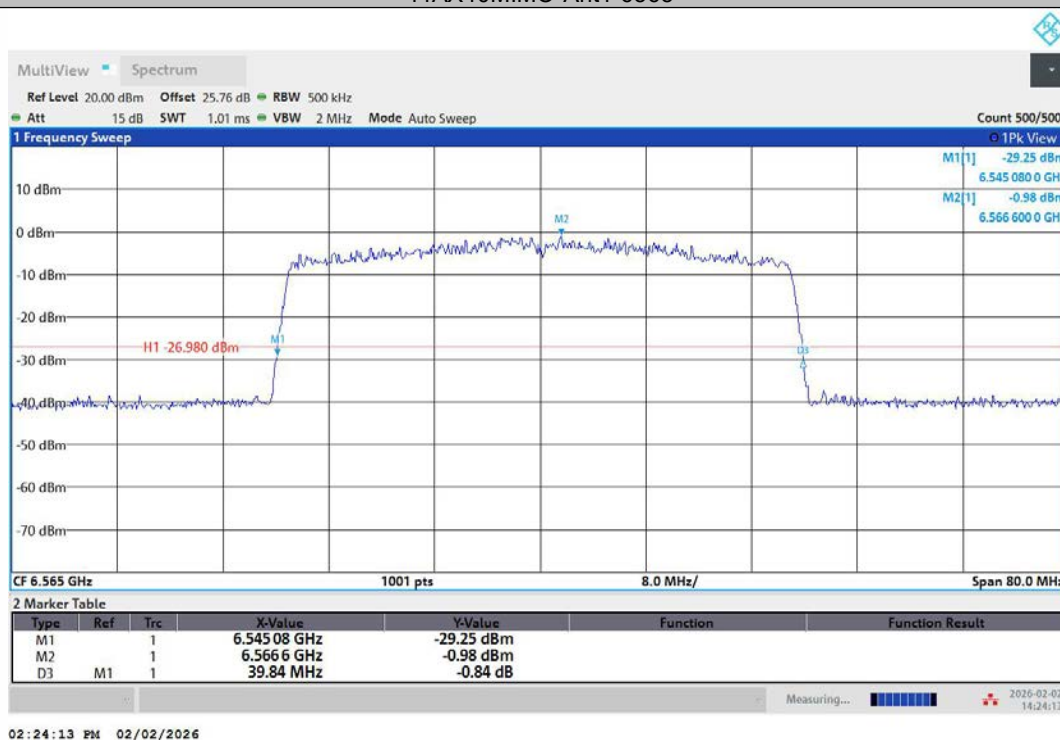
11AX40MIMO-Ant1-6525



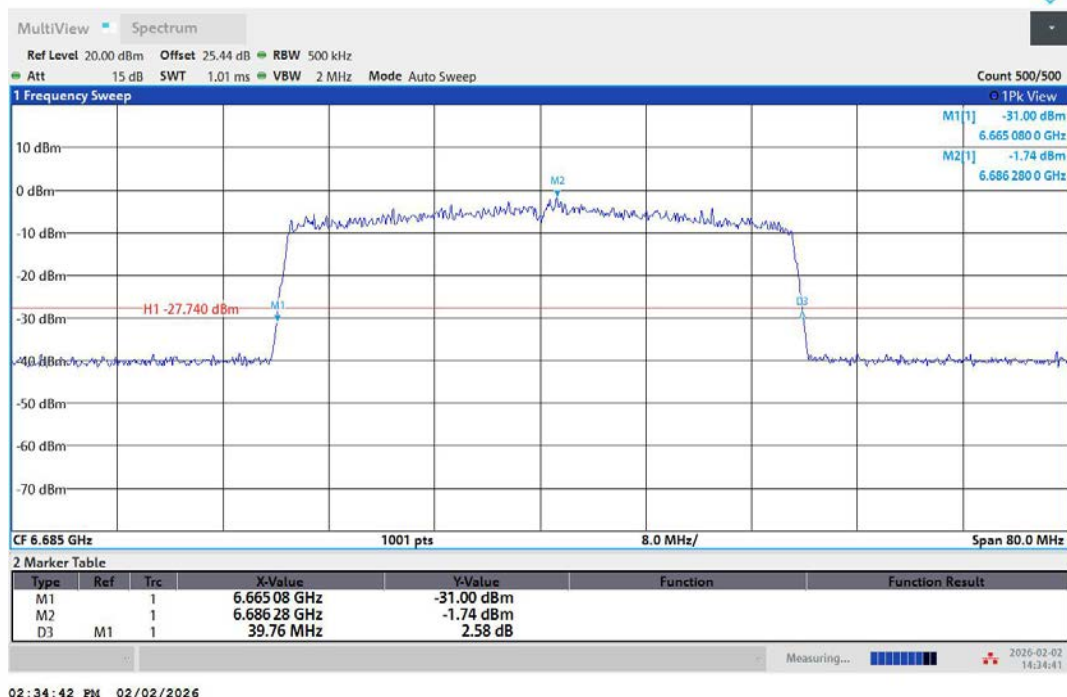
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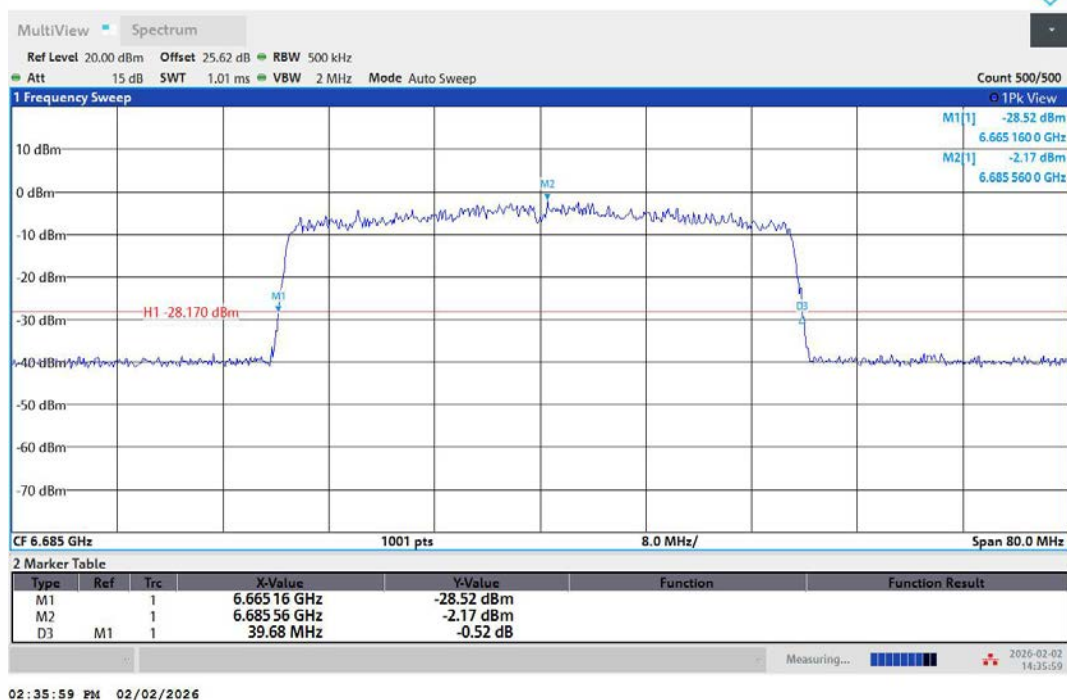
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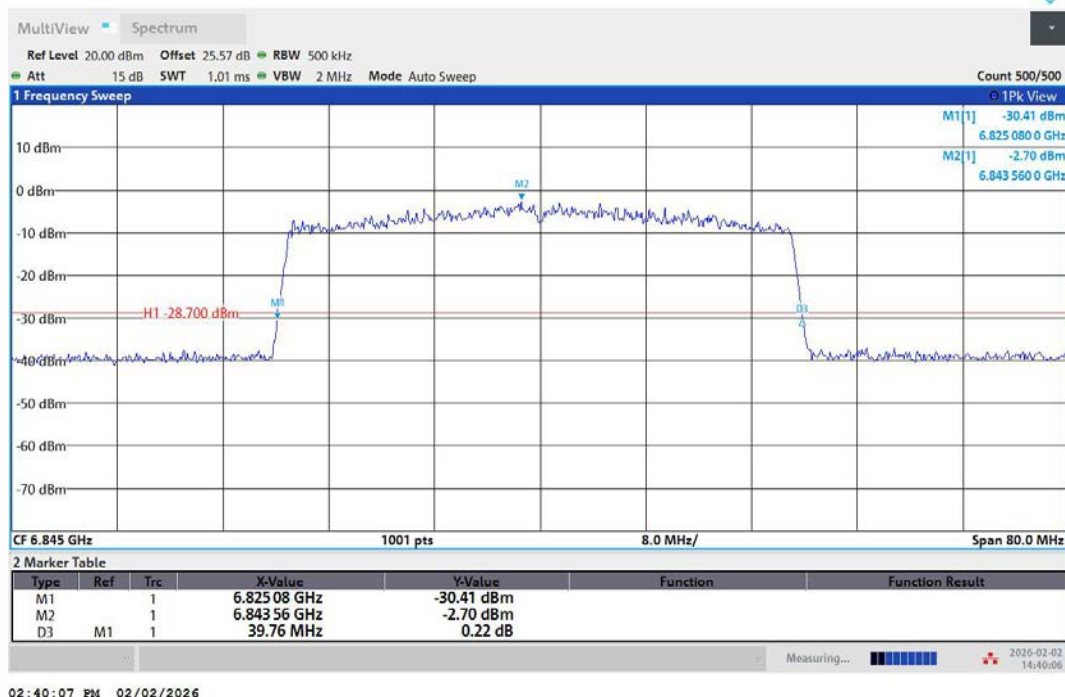
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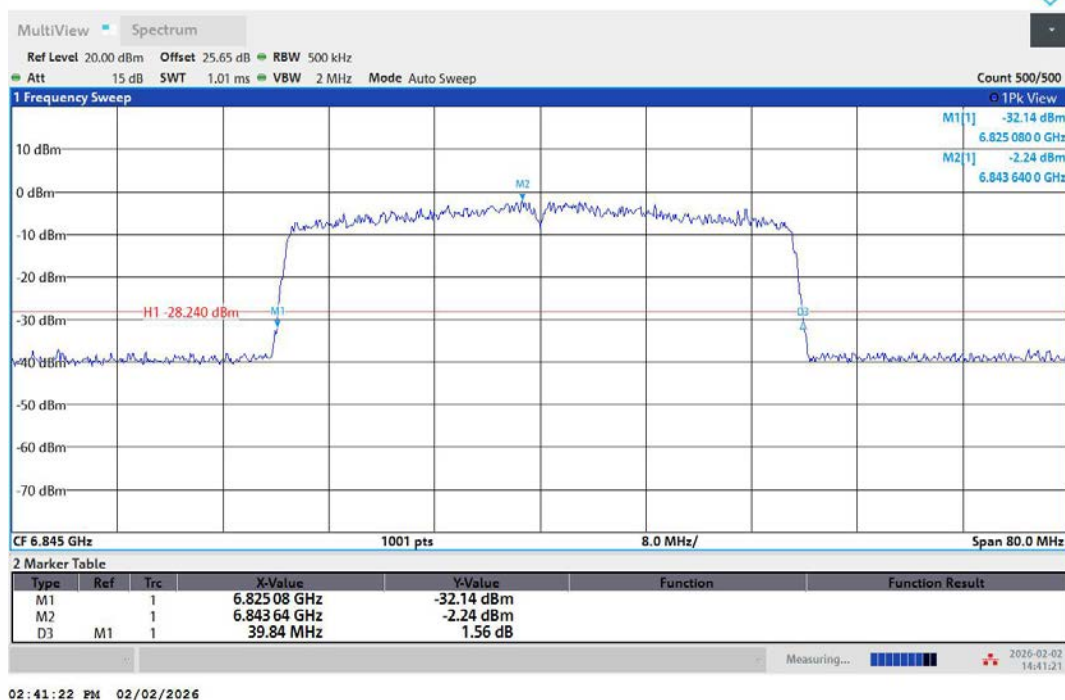
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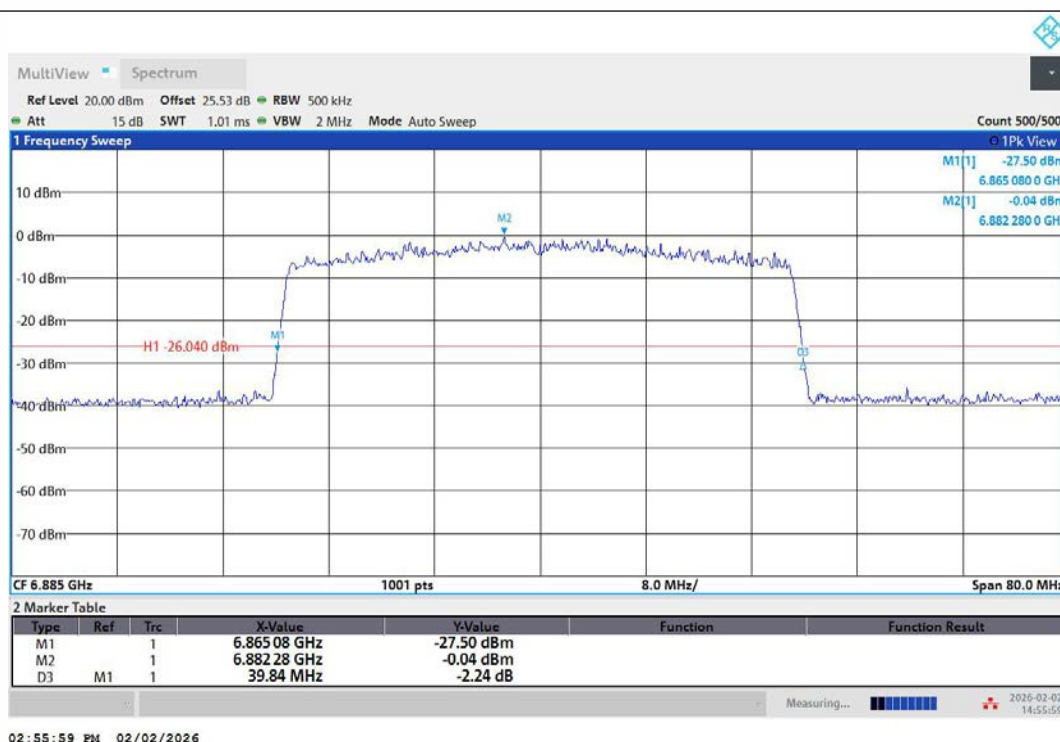
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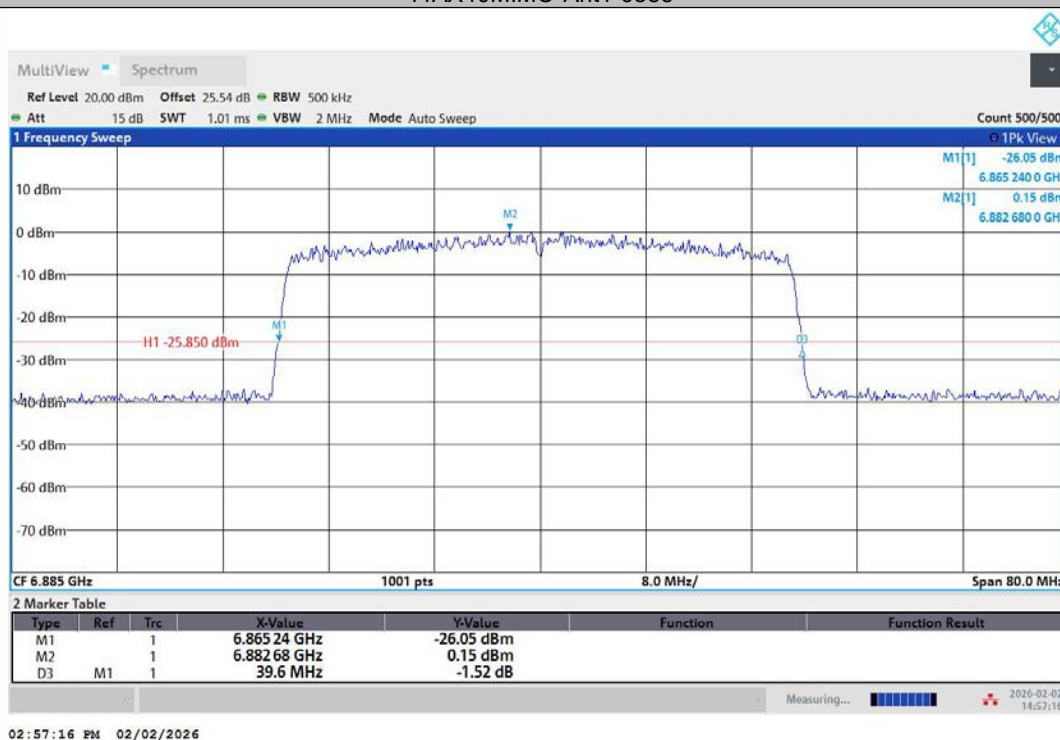
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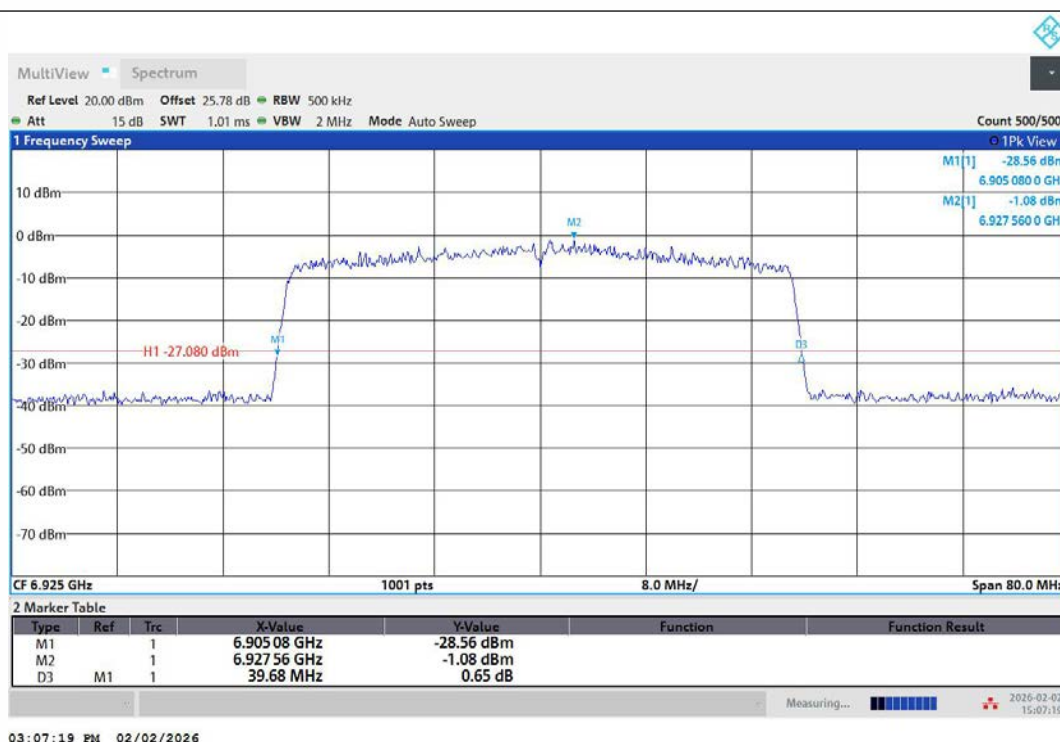
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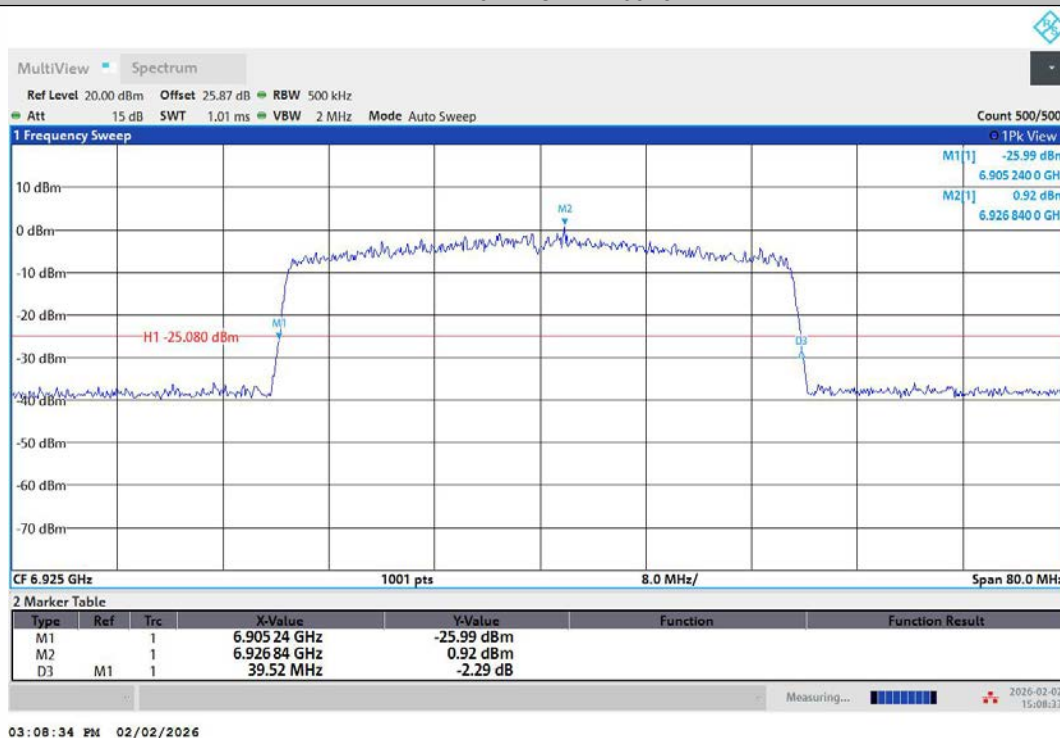
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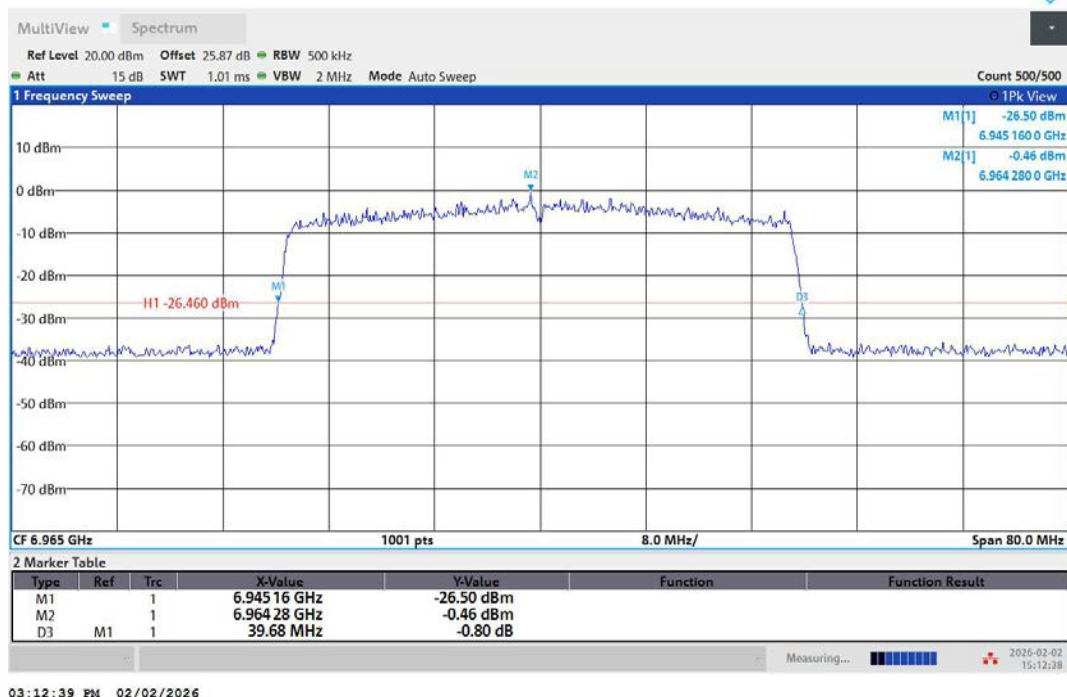
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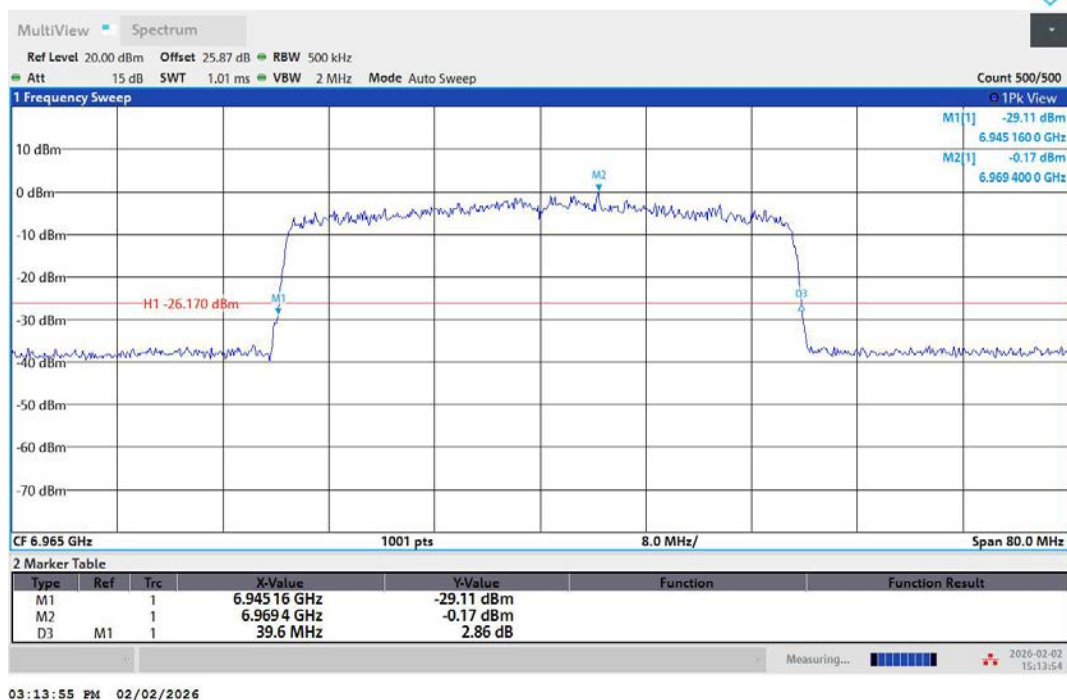
11AX40MIMO-Ant1-6925



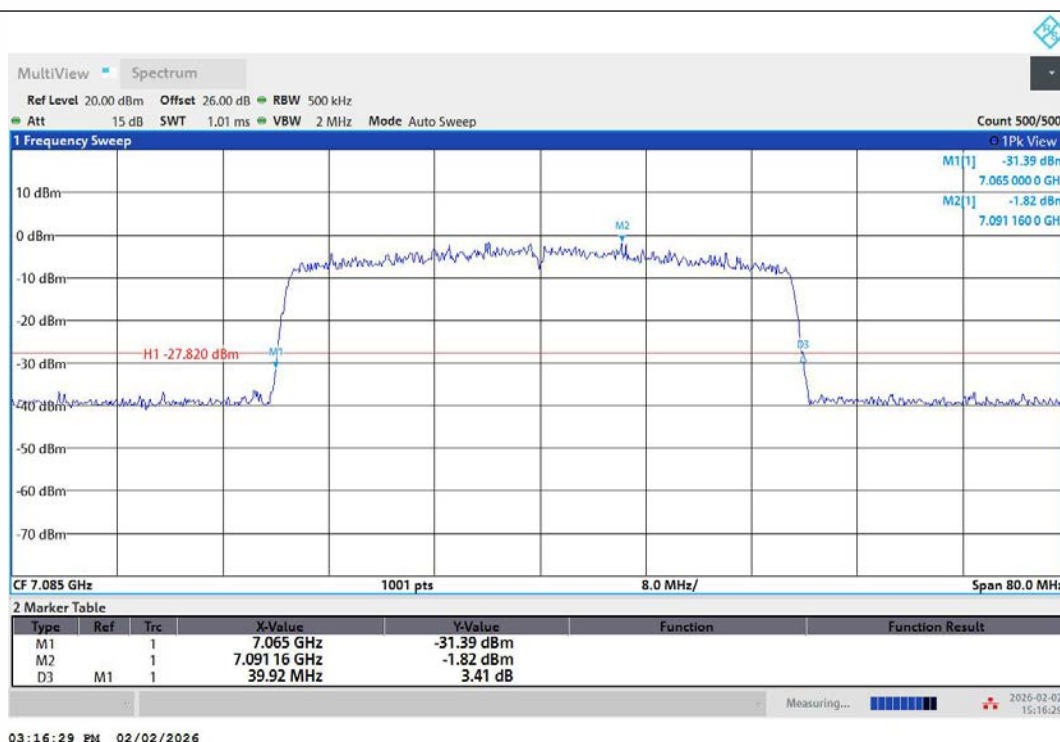
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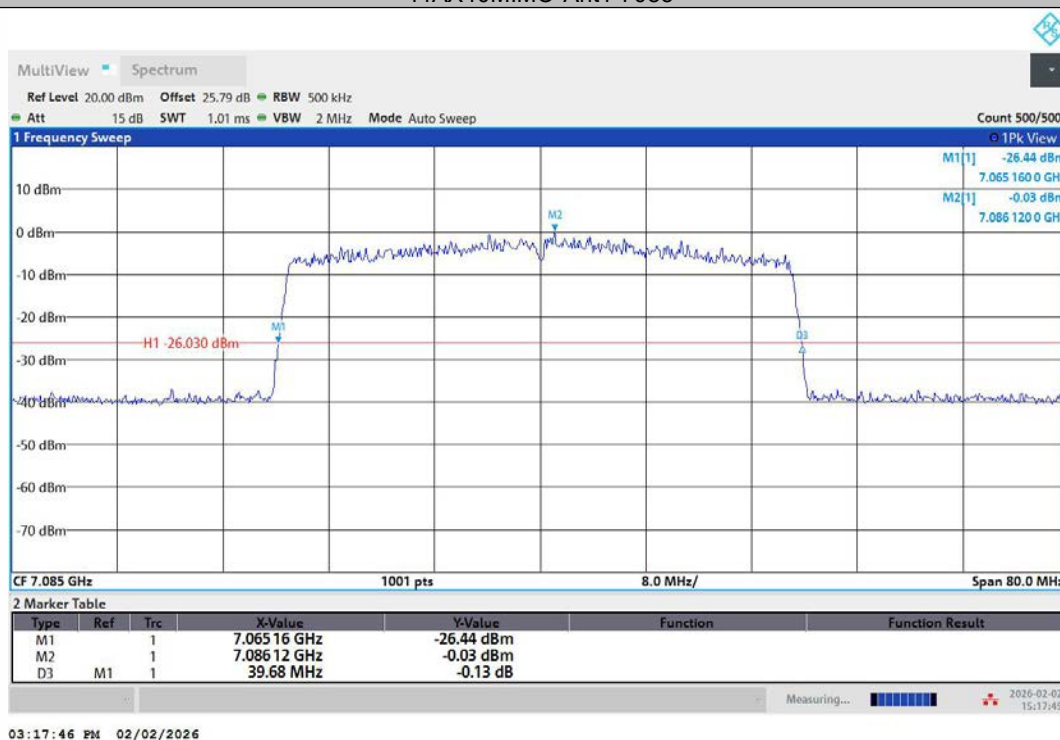
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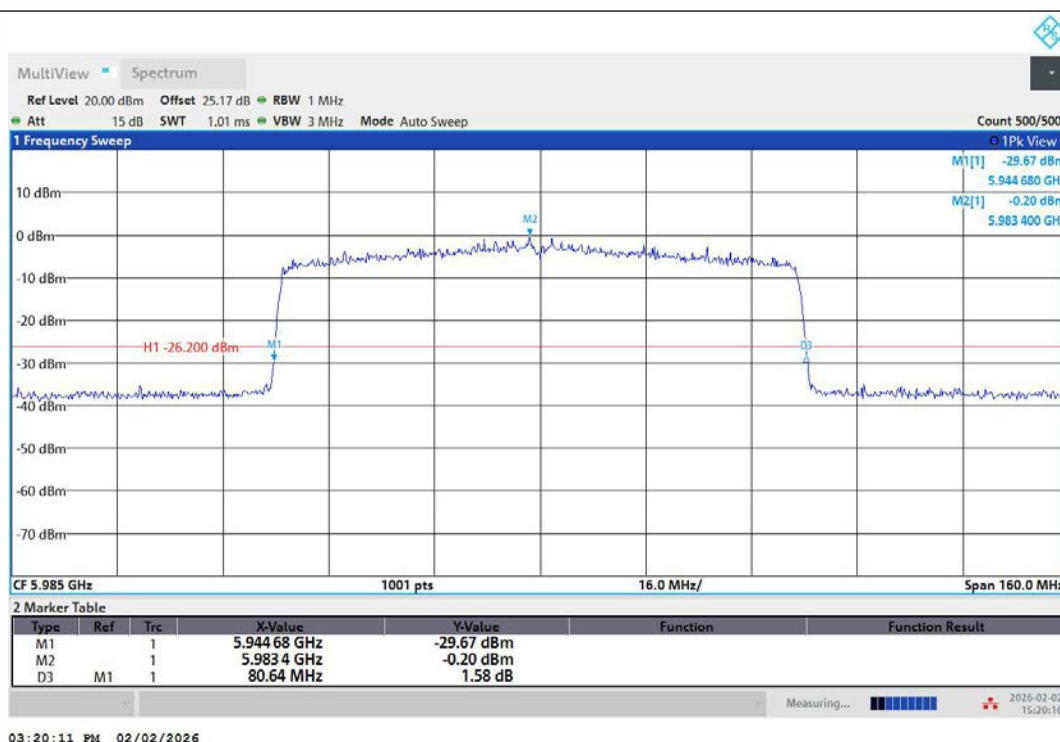
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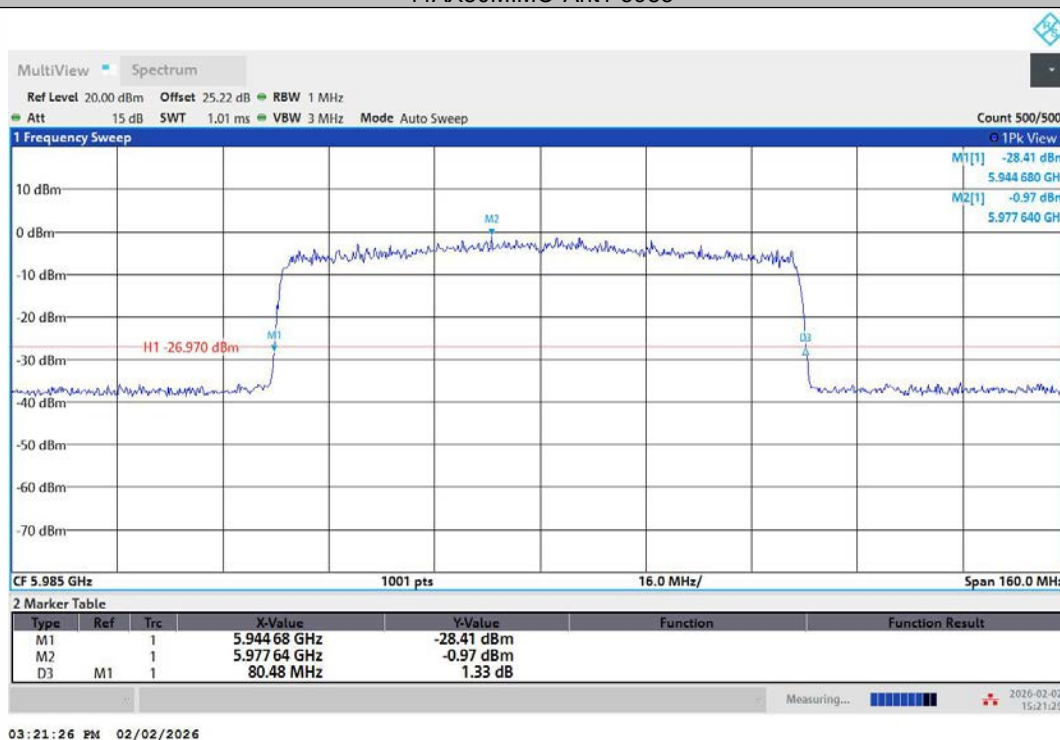
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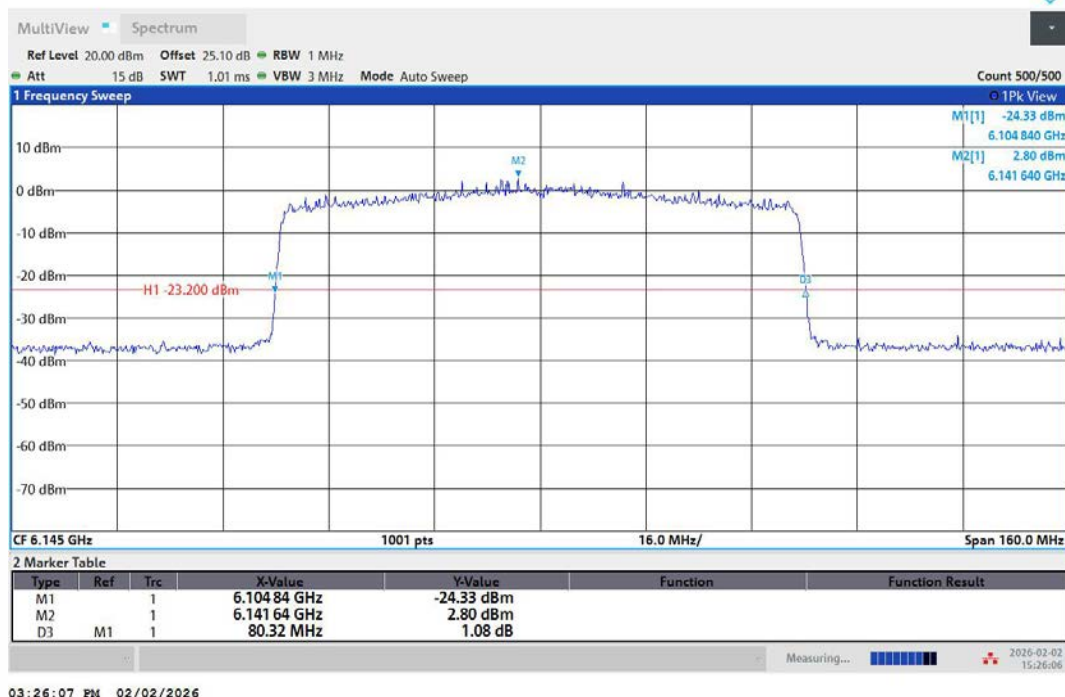
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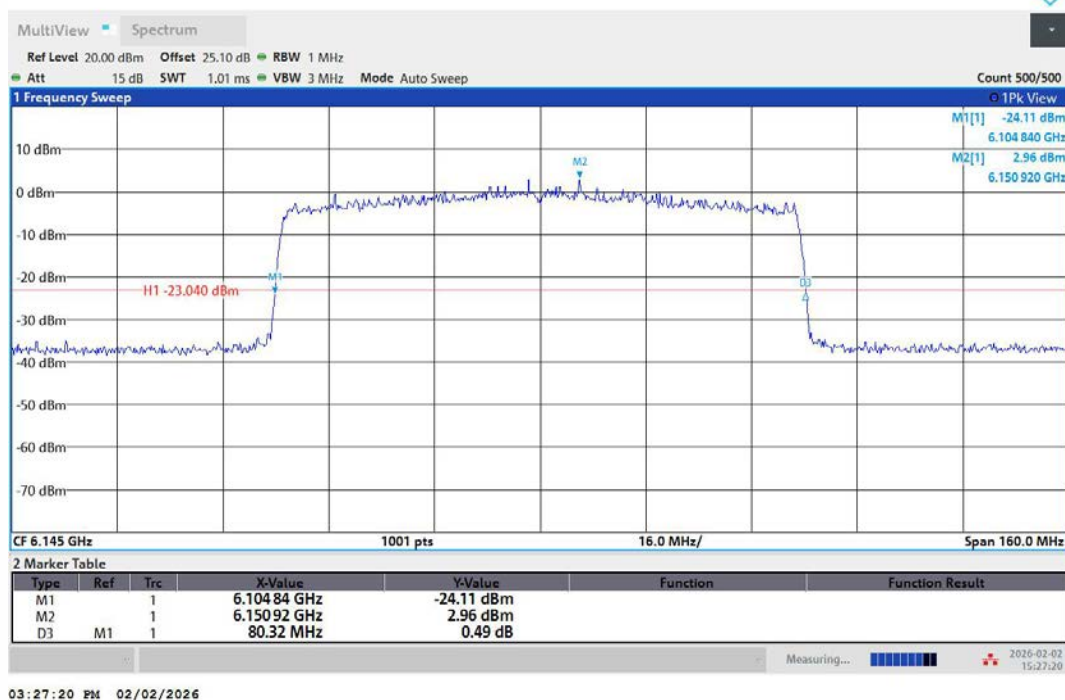
11AX80MIMO-Ant1-5985



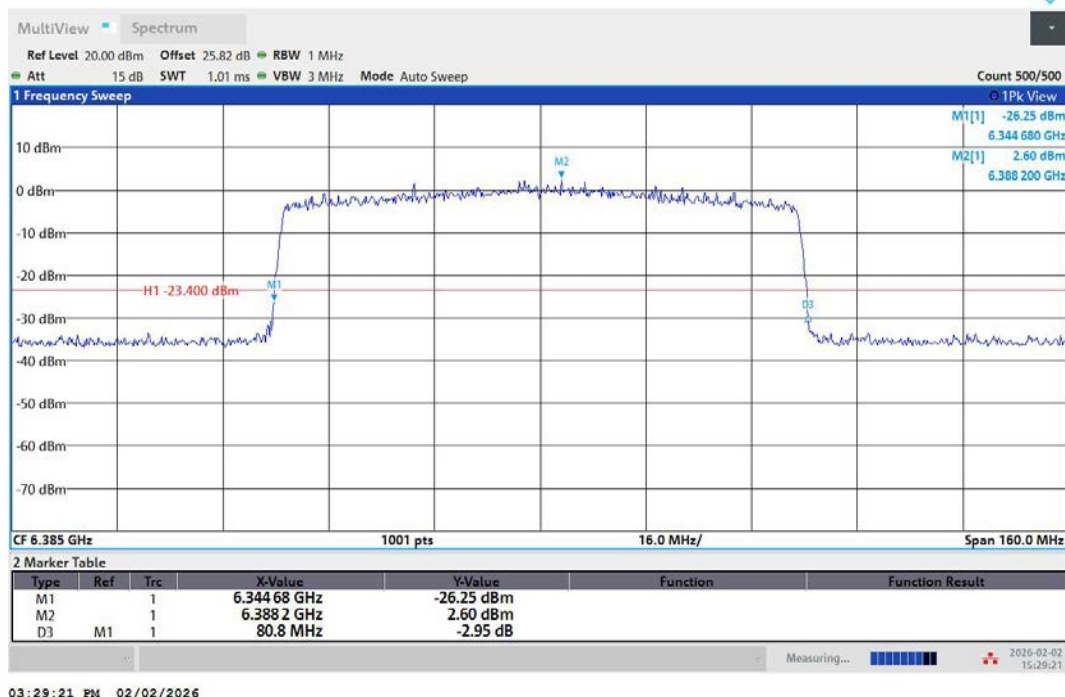
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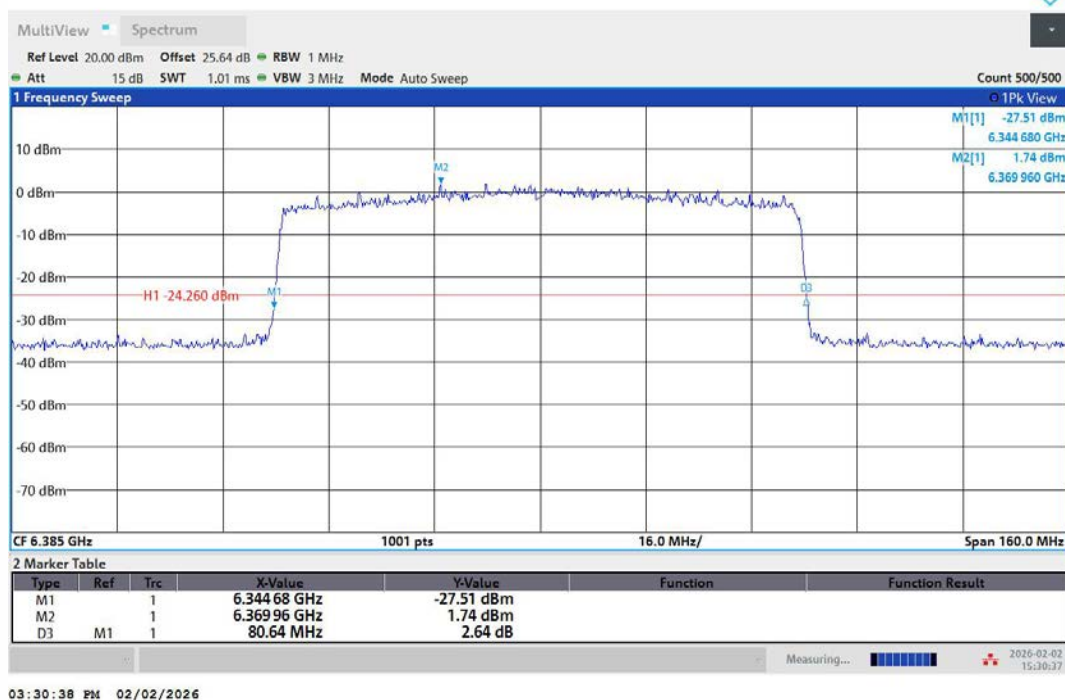
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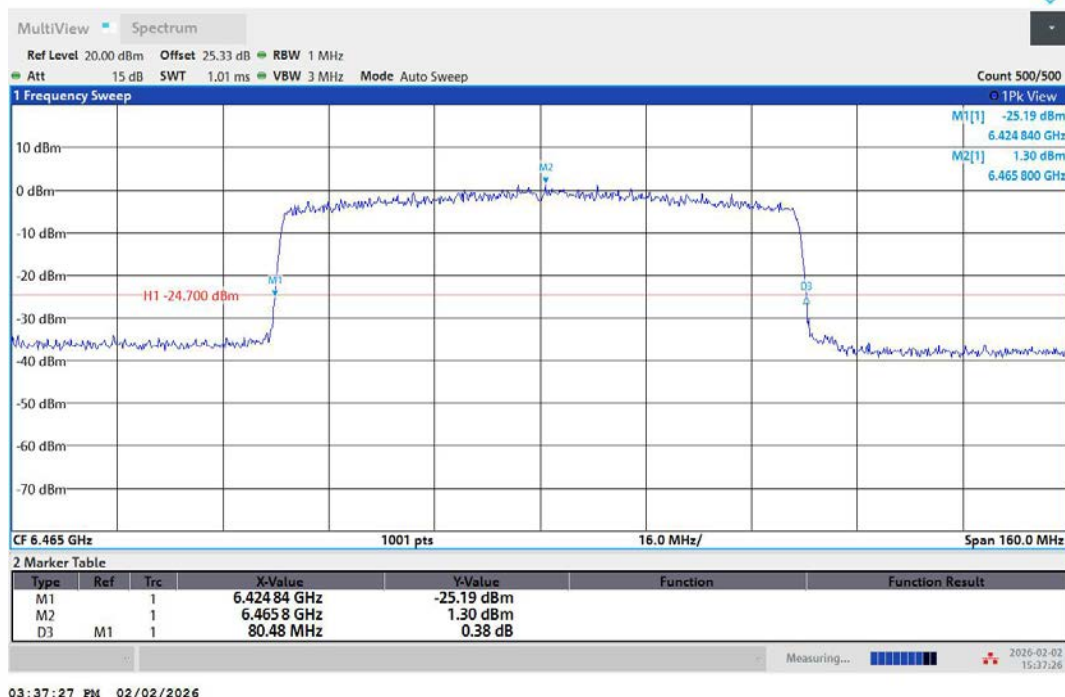
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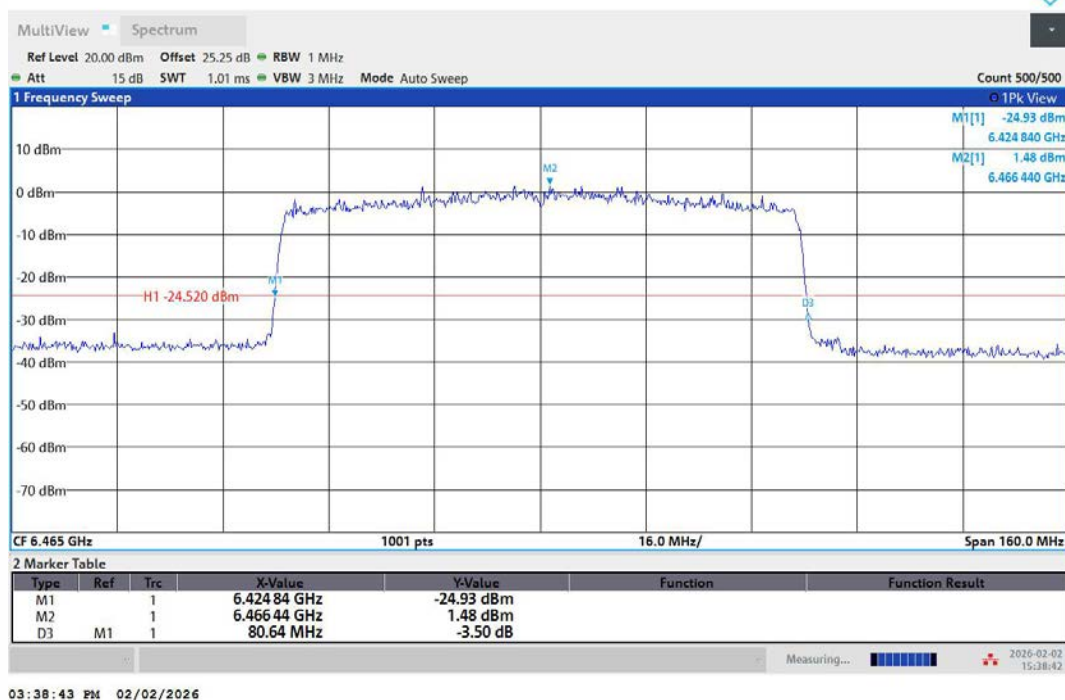
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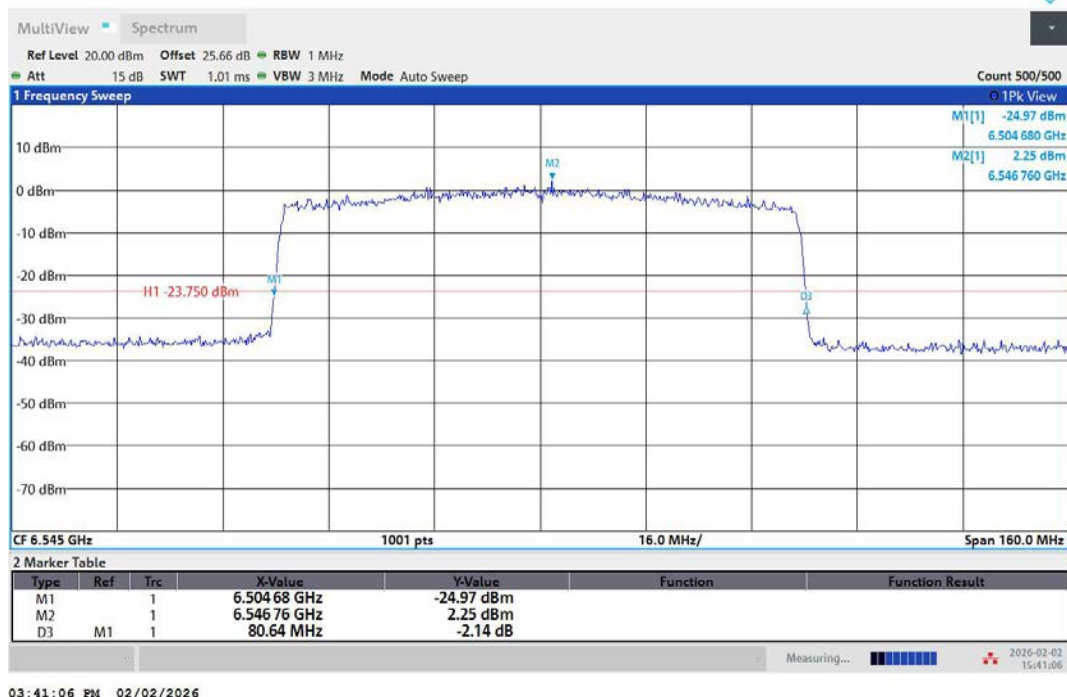
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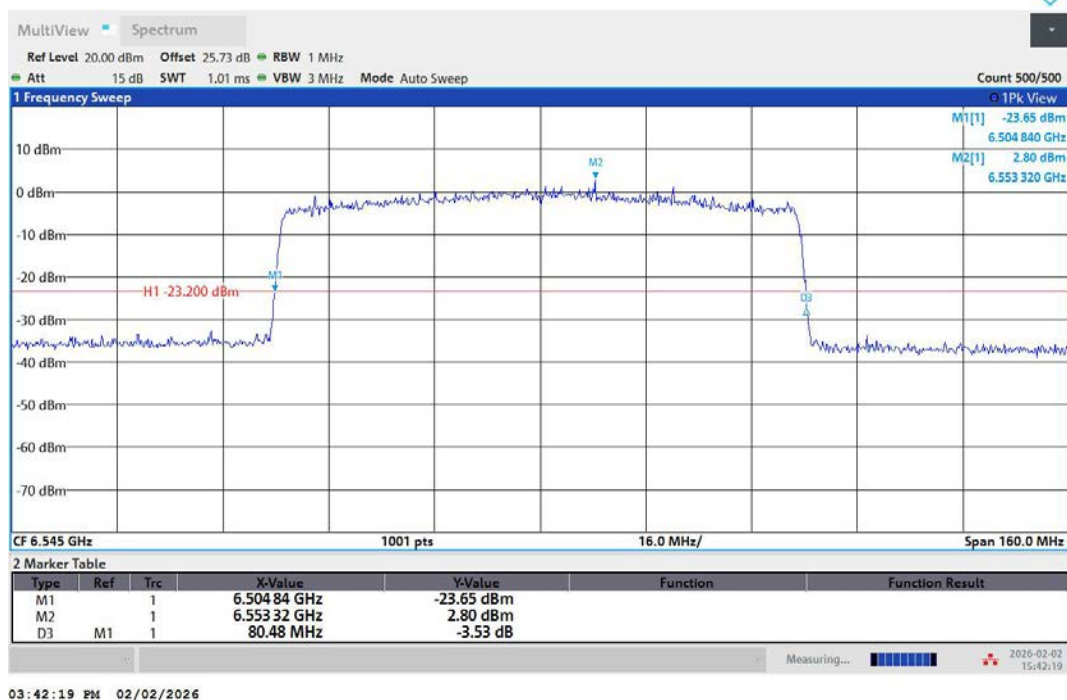
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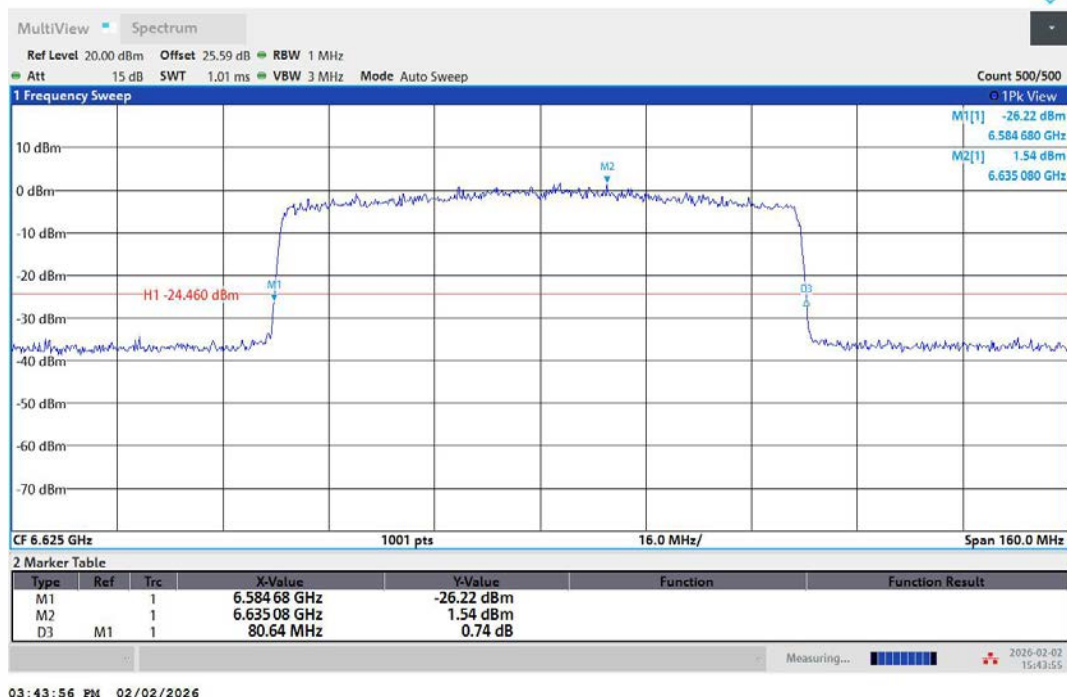
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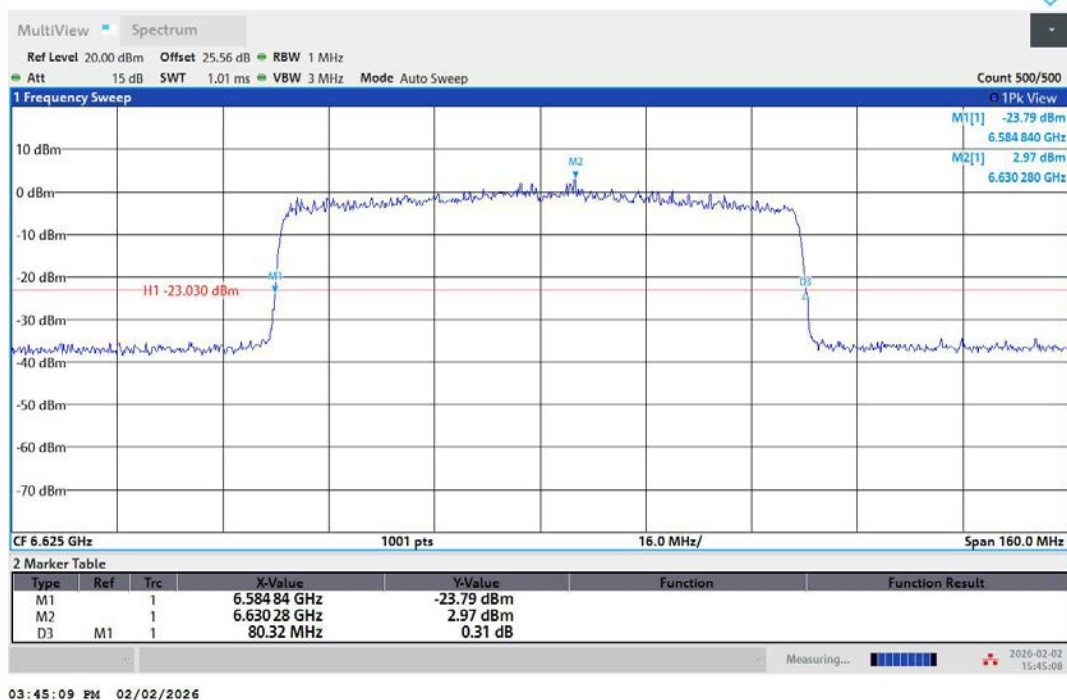
11AX80MIMO-Ant1-6545



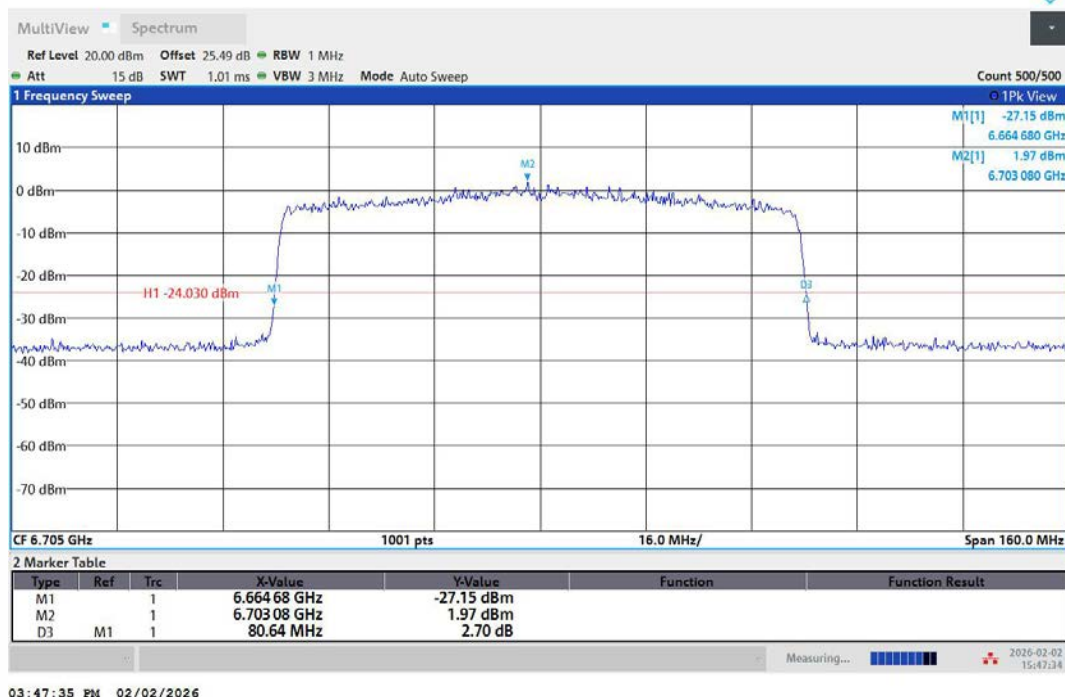
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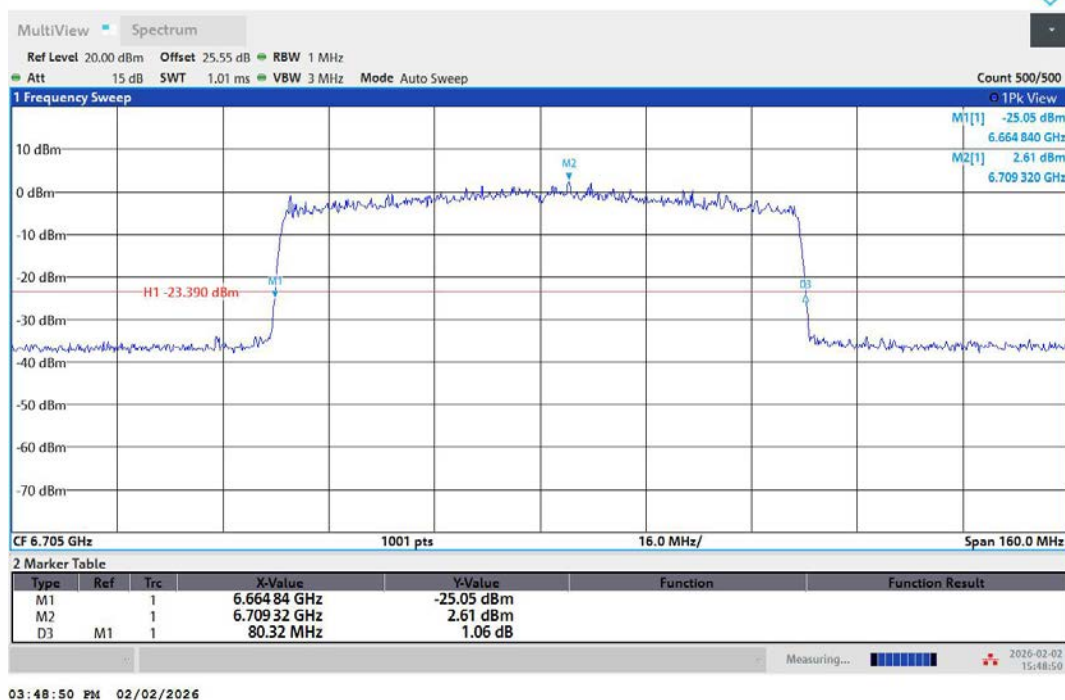
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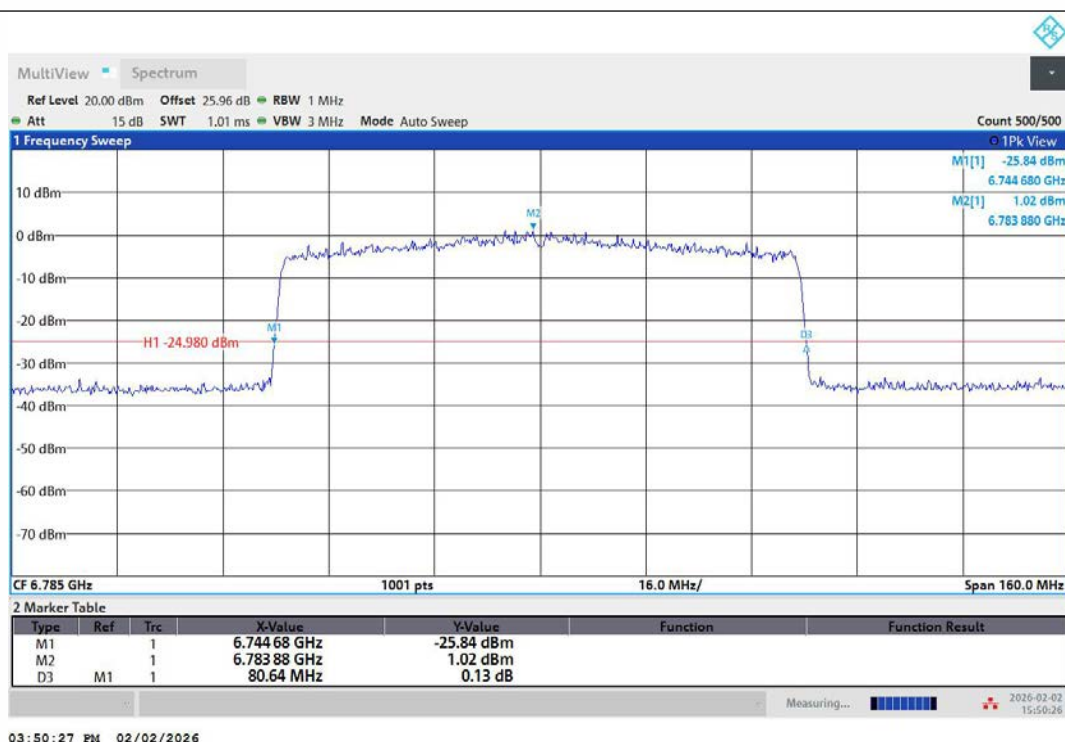
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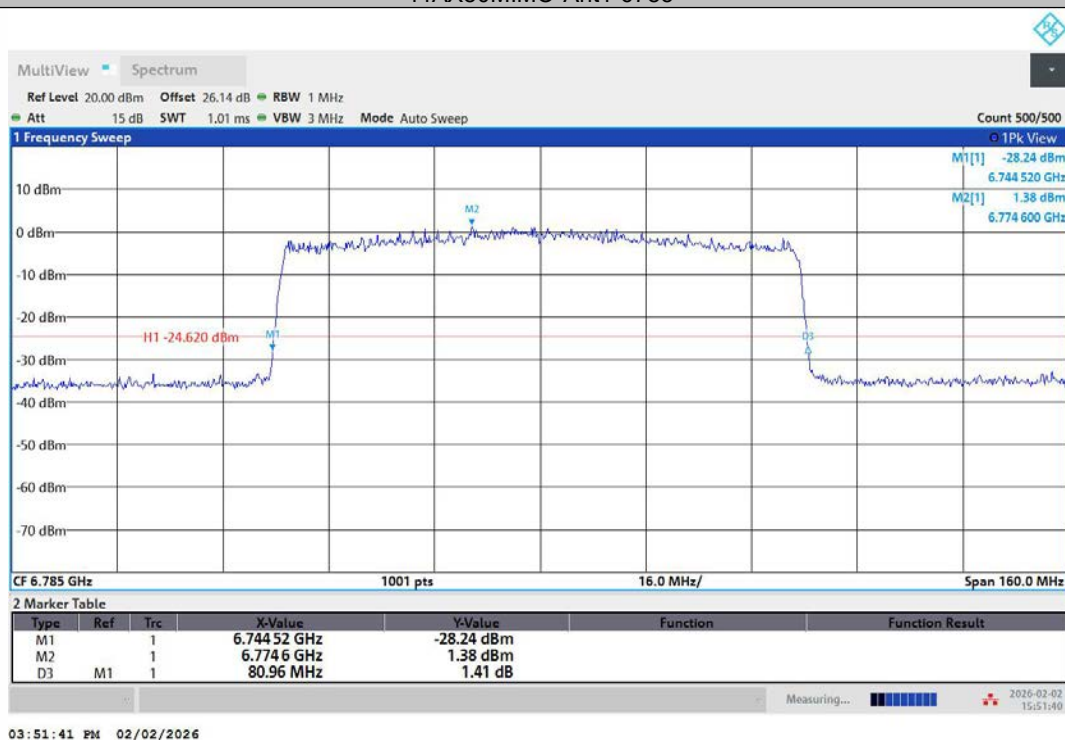
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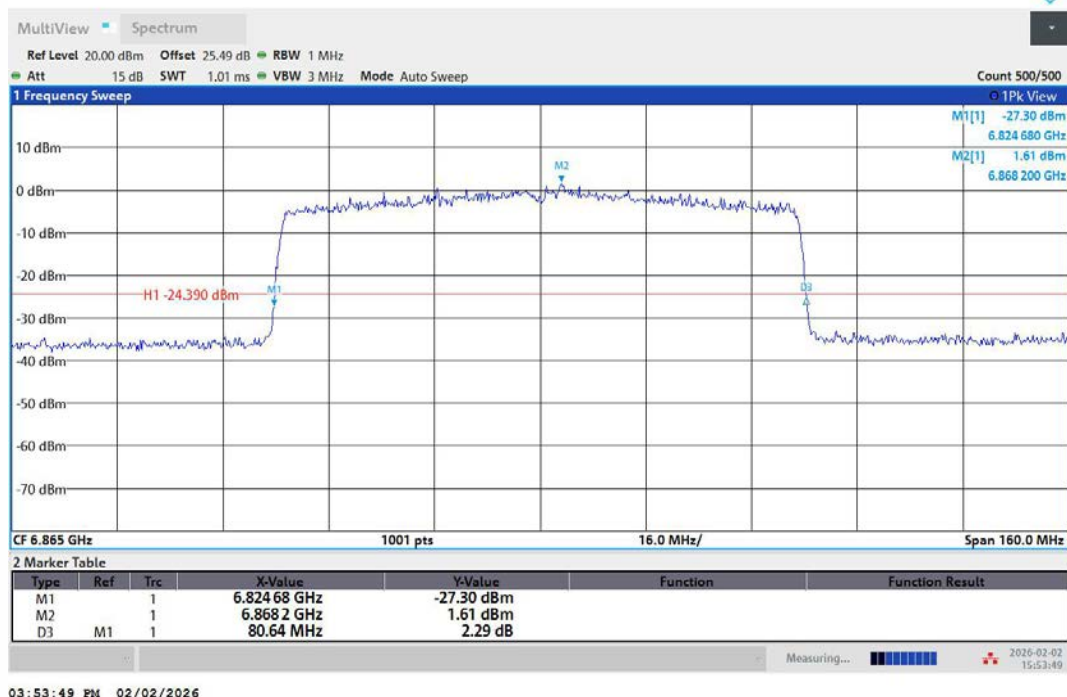
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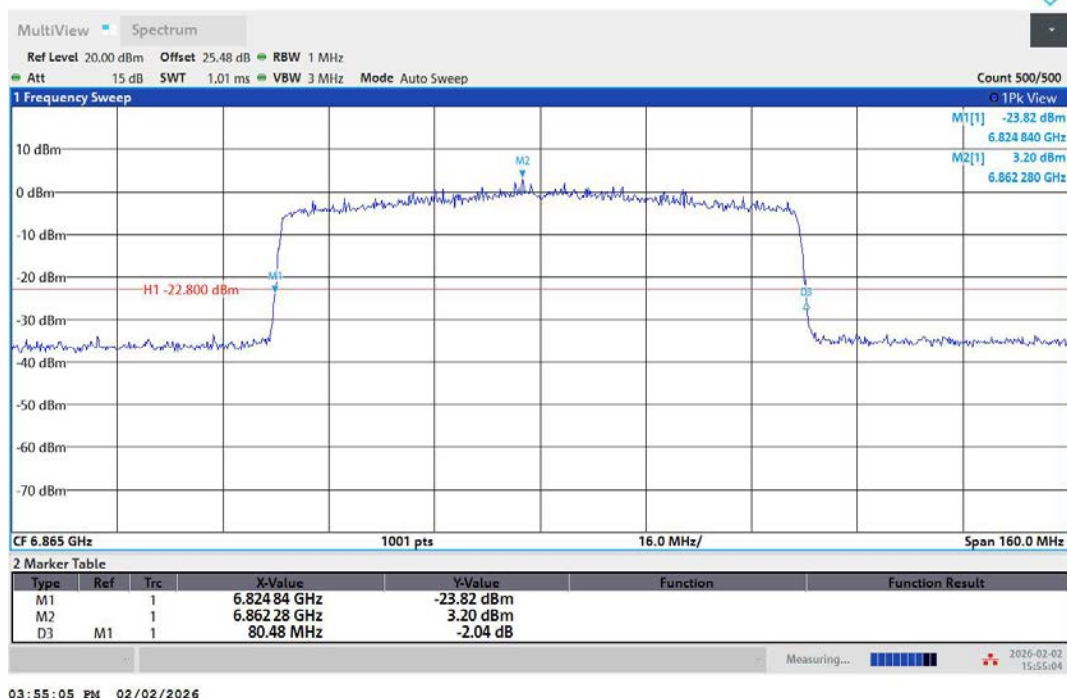
11AX80MIMO-Ant1-6785



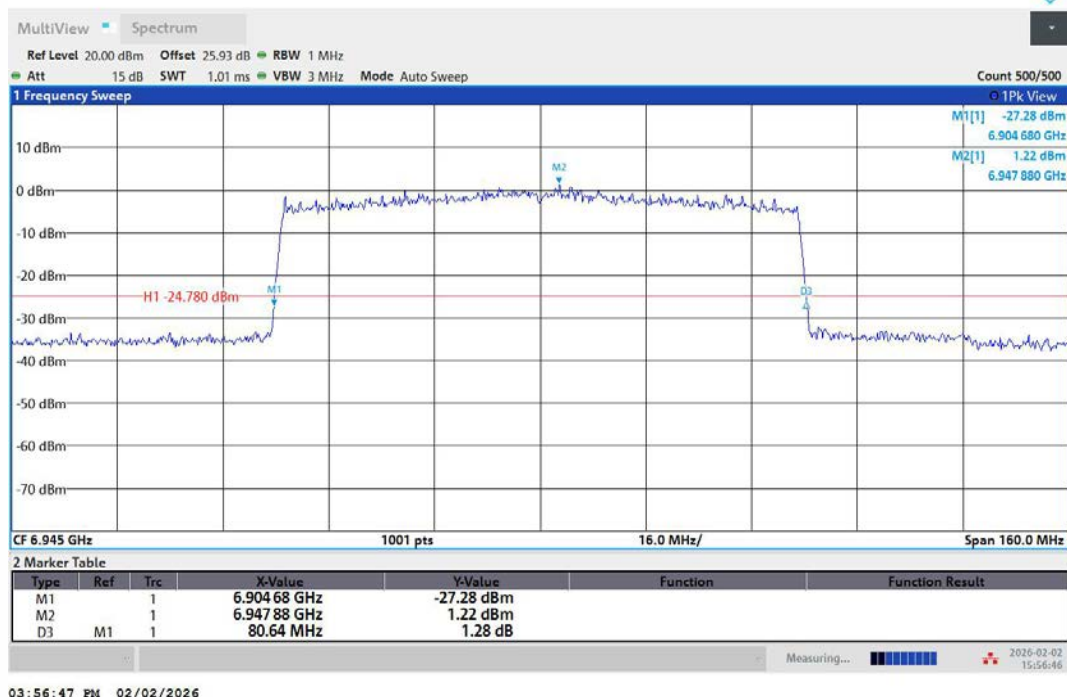
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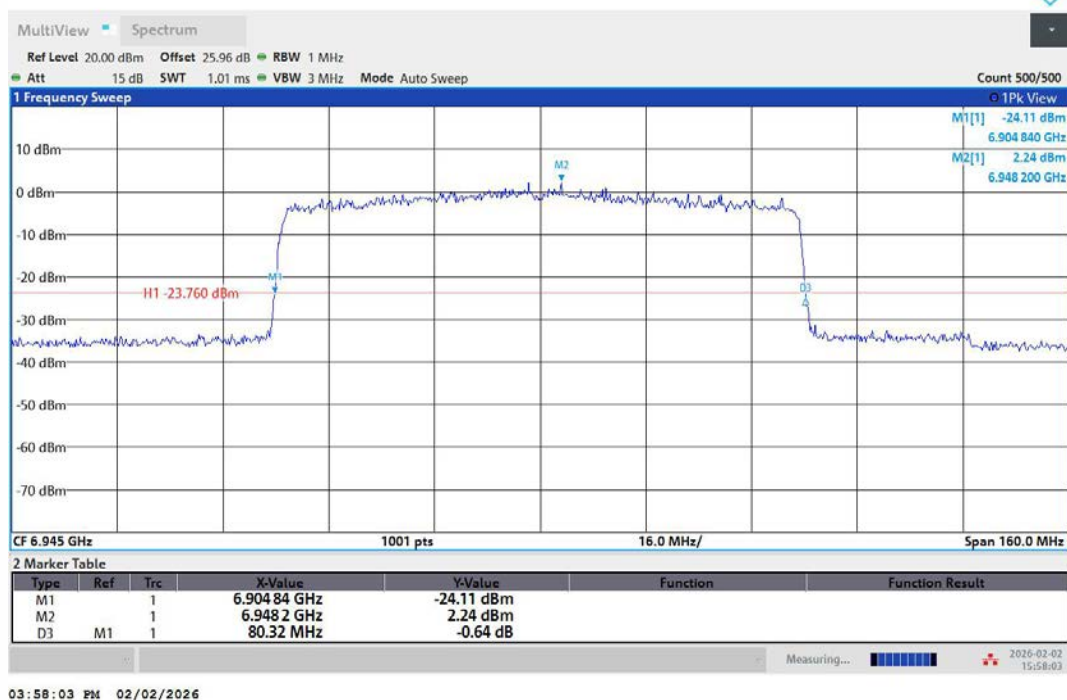
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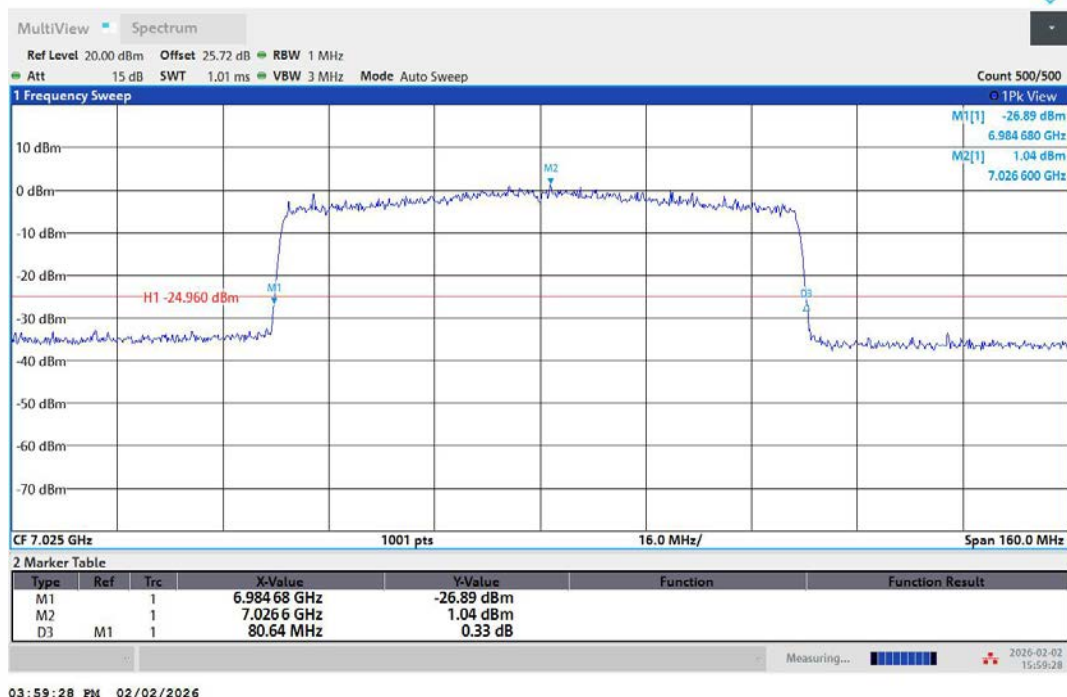
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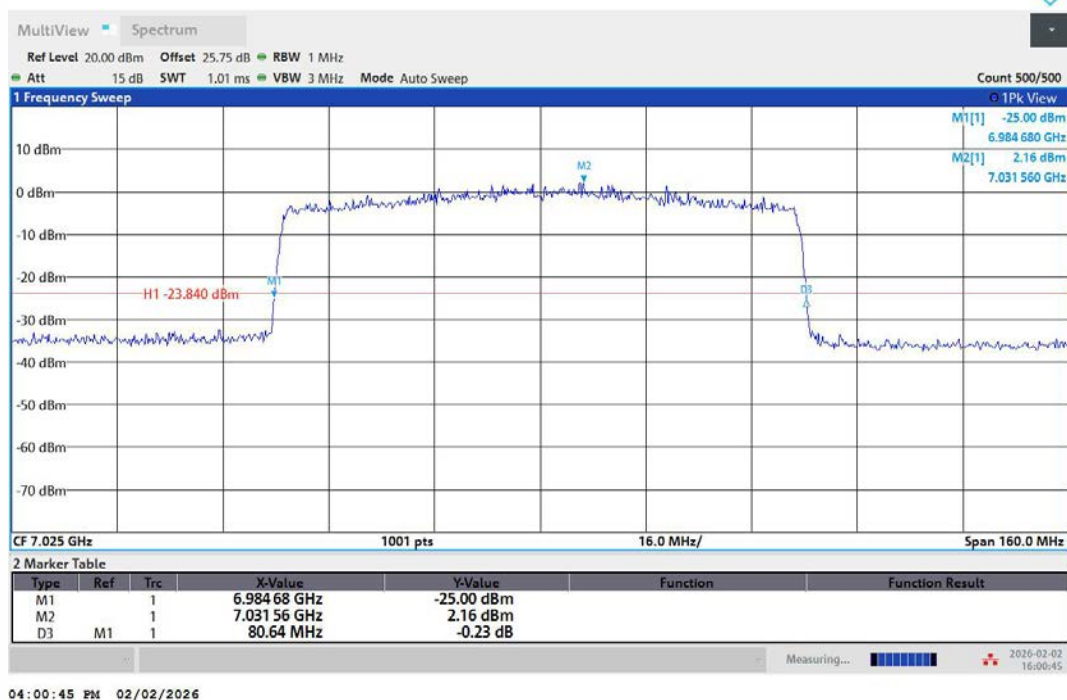
11AX80MIMO-Ant1-6945



11AX80MIMO-Ant2-6945



11AX80MIMO-Ant1-7025



11AX80MIMO-Ant2-7025

99% Bandwidth

Full RU and Partial RU has been tested, and find the full RU is the worst, so only the worst data is shown in the report.

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11AX20MIMO	Ant1	5955	19.373	5945.3103	5964.6829	≤320	PASS
11AX20MIMO	Ant2	5955	19.254	5945.3306	5964.5846	≤320	PASS
11AX20MIMO	Ant1	6175	19.367	6165.2534	6184.6204	≤320	PASS
11AX20MIMO	Ant2	6175	19.287	6165.3210	6184.6081	≤320	PASS
11AX20MIMO	Ant1	6415	19.354	6405.3159	6424.6700	≤320	PASS
11AX20MIMO	Ant2	6415	19.342	6405.3205	6424.6622	≤320	PASS
11AX20MIMO	Ant1	6435	19.378	6425.3154	6444.6935	≤320	PASS
11AX20MIMO	Ant2	6435	19.239	6425.3520	6444.5915	≤320	PASS
11AX20MIMO	Ant1	6475	19.393	6465.2606	6484.6541	≤320	PASS
11AX20MIMO	Ant2	6475	19.283	6465.3218	6484.6044	≤320	PASS
11AX20MIMO	Ant1	6515	19.324	6505.3471	6524.6711	≤320	PASS
11AX20MIMO	Ant2	6515	19.307	6505.3373	6524.6438	≤320	PASS
11AX20MIMO	Ant1	6535	19.313	6525.3221	6544.6347	≤320	PASS
11AX20MIMO	Ant2	6535	19.293	6525.2878	6544.5806	≤320	PASS
11AX20MIMO	Ant1	6695	19.340	6685.2689	6704.6089	≤320	PASS
11AX20MIMO	Ant2	6695	19.296	6685.3289	6704.6248	≤320	PASS
11AX20MIMO	Ant1	6855	19.244	6845.3579	6864.6019	≤320	PASS
11AX20MIMO	Ant2	6855	19.291	6845.3320	6864.6235	≤320	PASS
11AX20MIMO	Ant1	6875	19.354	6865.2775	6884.6320	≤320	PASS
11AX20MIMO	Ant2	6875	19.273	6865.3323	6884.6050	≤320	PASS
11AX20MIMO	Ant1	6895	19.303	6885.3047	6904.6082	≤320	PASS
11AX20MIMO	Ant2	6895	19.279	6885.3222	6904.6011	≤320	PASS
11AX20MIMO	Ant1	6995	19.292	6985.2999	7004.5923	≤320	PASS
11AX20MIMO	Ant2	6995	19.304	6985.3072	7004.6113	≤320	PASS
11AX20MIMO	Ant1	7115	19.399	7105.2718	7124.6709	≤320	PASS
11AX20MIMO	Ant2	7115	19.246	7105.3540	7124.5995	≤320	PASS
11AX40MIMO	Ant1	5965	37.564	5946.1880	5983.7517	≤320	PASS
11AX40MIMO	Ant2	5965	37.522	5946.2000	5983.7216	≤320	PASS
11AX40MIMO	Ant1	6165	37.568	6146.2100	6183.7778	≤320	PASS
11AX40MIMO	Ant2	6165	37.594	6146.1586	6183.7524	≤320	PASS
11AX40MIMO	Ant1	6405	37.608	6386.2172	6423.8249	≤320	PASS
11AX40MIMO	Ant2	6405	37.627	6386.1647	6423.7914	≤320	PASS
11AX40MIMO	Ant1	6445	37.574	6426.2199	6463.7935	≤320	PASS
11AX40MIMO	Ant2	6445	37.577	6426.2010	6463.7785	≤320	PASS
11AX40MIMO	Ant1	6485	37.524	6466.2114	6503.7353	≤320	PASS
11AX40MIMO	Ant2	6485	37.625	6466.2130	6503.8382	≤320	PASS
11AX40MIMO	Ant1	6525	37.513	6506.2151	6543.7281	≤320	PASS
11AX40MIMO	Ant2	6525	37.518	6506.2426	6543.7606	≤320	PASS
11AX40MIMO	Ant1	6565	37.559	6546.2115	6583.7703	≤320	PASS
11AX40MIMO	Ant2	6565	37.587	6546.1747	6583.7612	≤320	PASS
11AX40MIMO	Ant1	6685	37.532	6666.2377	6703.7694	≤320	PASS
11AX40MIMO	Ant2	6685	37.723	6666.1391	6703.8625	≤320	PASS
11AX40MIMO	Ant1	6845	37.600	6826.1575	6863.7574	≤320	PASS
11AX40MIMO	Ant2	6845	37.534	6826.2562	6863.7902	≤320	PASS
11AX40MIMO	Ant1	6885	37.648	6866.1531	6903.8008	≤320	PASS
11AX40MIMO	Ant2	6885	37.687	6866.1273	6903.8144	≤320	PASS
11AX40MIMO	Ant1	6925	37.552	6906.2070	6943.7594	≤320	PASS
11AX40MIMO	Ant2	6925	37.560	6906.1927	6943.7531	≤320	PASS
11AX40MIMO	Ant1	6965	37.640	6946.1771	6983.8174	≤320	PASS
11AX40MIMO	Ant2	6965	37.630	6946.1742	6983.8047	≤320	PASS
11AX40MIMO	Ant1	7085	37.535	7066.2378	7103.7724	≤320	PASS
11AX40MIMO	Ant2	7085	37.633	7066.1256	7103.7588	≤320	PASS
11AX80MIMO	Ant1	5985	77.029	5946.5236	6023.5526	≤320	PASS
11AX80MIMO	Ant2	5985	77.011	5946.4580	6023.4693	≤320	PASS
11AX80MIMO	Ant1	6145	77.041	6106.5951	6183.6358	≤320	PASS
11AX80MIMO	Ant2	6145	76.847	6106.5779	6183.4248	≤320	PASS

11AX80MIMO	Ant1	6385	77.147	6346.3809	6423.5279	≤320	PASS
11AX80MIMO	Ant2	6385	77.002	6346.5976	6423.6000	≤320	PASS
11AX80MIMO	Ant1	6465	76.938	6426.6188	6503.5569	≤320	PASS
11AX80MIMO	Ant2	6465	76.947	6426.6479	6503.5953	≤320	PASS
11AX80MIMO	Ant1	6545	77.068	6506.3594	6583.4272	≤320	PASS
11AX80MIMO	Ant2	6545	77.081	6506.5057	6583.5864	≤320	PASS
11AX80MIMO	Ant1	6625	76.963	6586.5088	6663.4715	≤320	PASS
11AX80MIMO	Ant2	6625	76.913	6586.5509	6663.4635	≤320	PASS
11AX80MIMO	Ant1	6705	77.004	6666.4922	6743.4967	≤320	PASS
11AX80MIMO	Ant2	6705	76.928	6666.5316	6743.4594	≤320	PASS
11AX80MIMO	Ant1	6785	77.015	6746.5593	6823.5747	≤320	PASS
11AX80MIMO	Ant2	6785	77.059	6746.4976	6823.5561	≤320	PASS
11AX80MIMO	Ant1	6865	77.012	6826.5703	6903.5828	≤320	PASS
11AX80MIMO	Ant2	6865	76.968	6826.5418	6903.5096	≤320	PASS
11AX80MIMO	Ant1	6945	77.046	6906.5162	6983.5623	≤320	PASS
11AX80MIMO	Ant2	6945	77.040	6906.4709	6983.5105	≤320	PASS
11AX80MIMO	Ant1	7025	76.821	6986.5956	7063.4168	≤320	PASS
11AX80MIMO	Ant2	7025	77.070	6986.4591	7063.5288	≤320	PASS

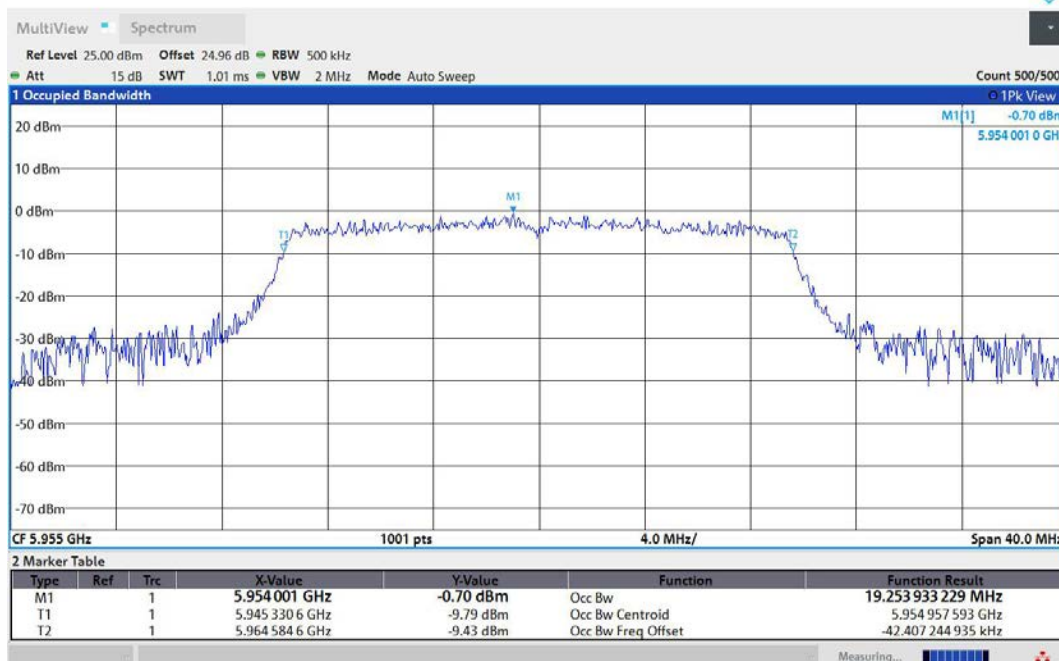


99% Bandwidth Test Graphs

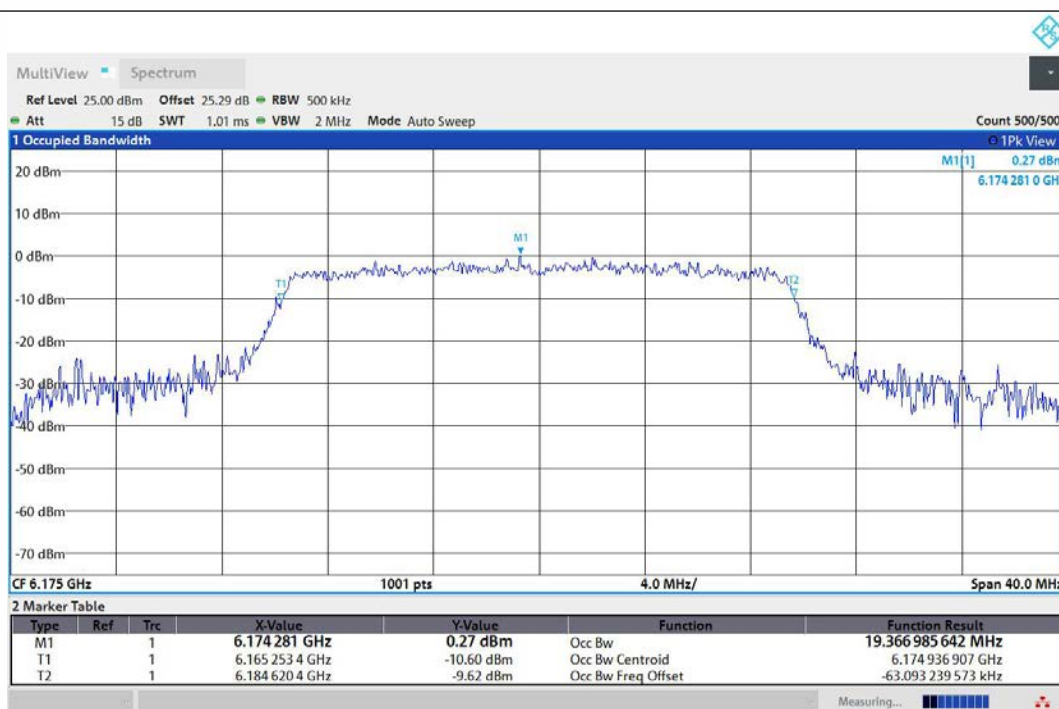
Full RU and Partial RU has been tested, and find the full RU is the worst, so only the worst data is shown in the report.



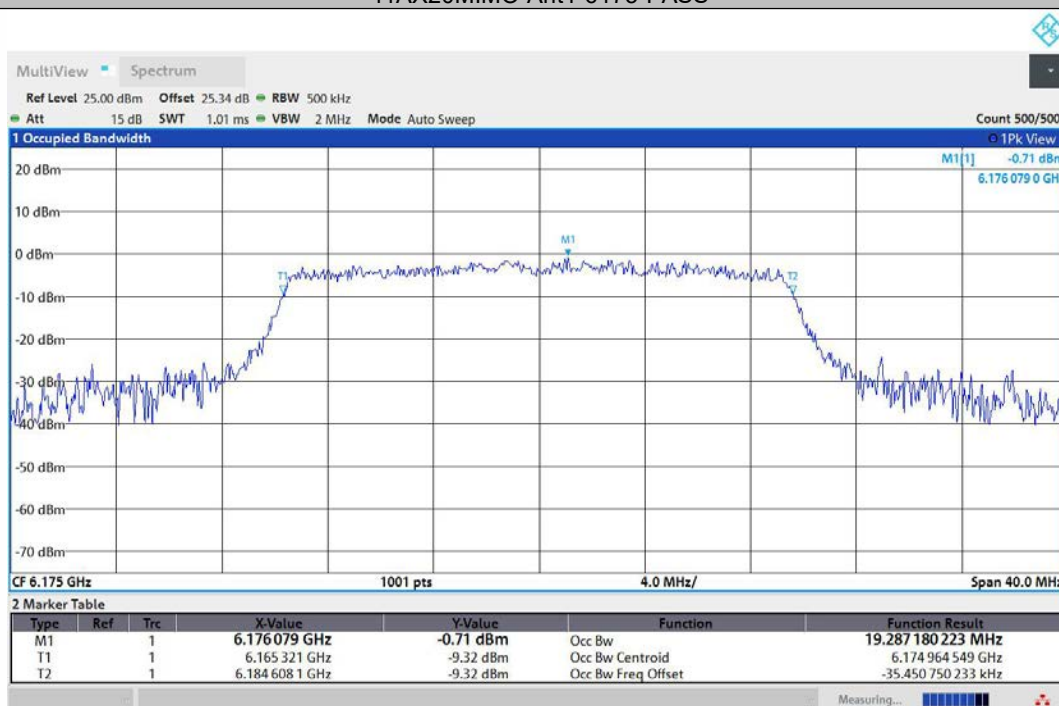
11AX20MIMO-Ant1-5955-PASS



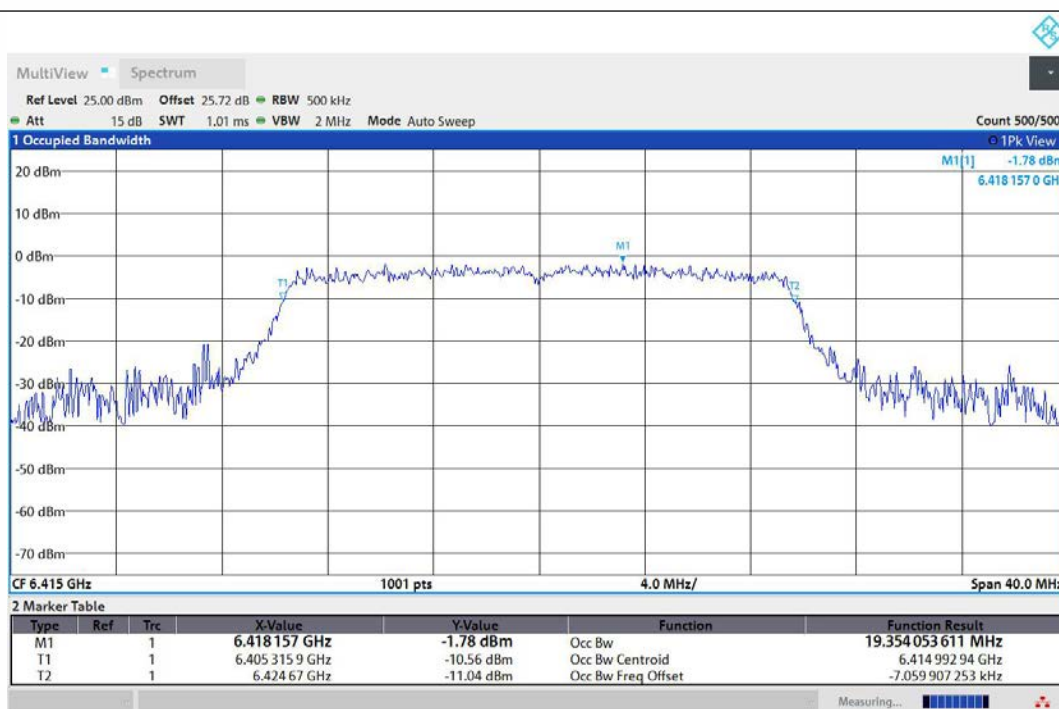
11AX20MIMO-Ant2-5955-PASS



11AX20MIMO-Ant1-6175-PASS



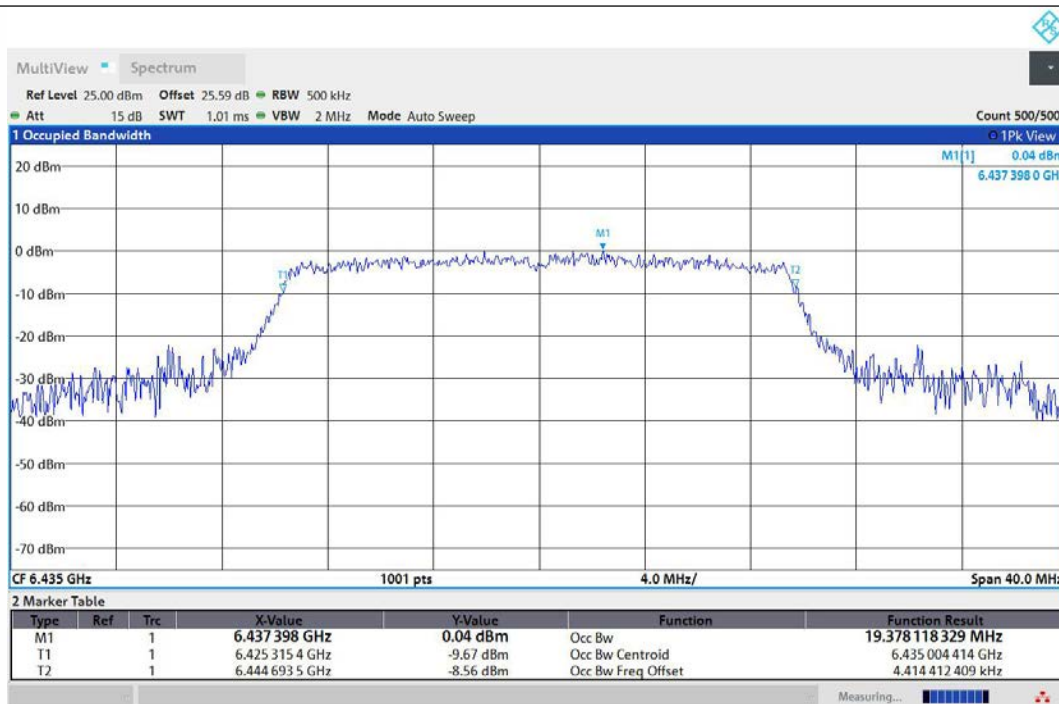
11AX20MIMO-Ant2-6175-PASS



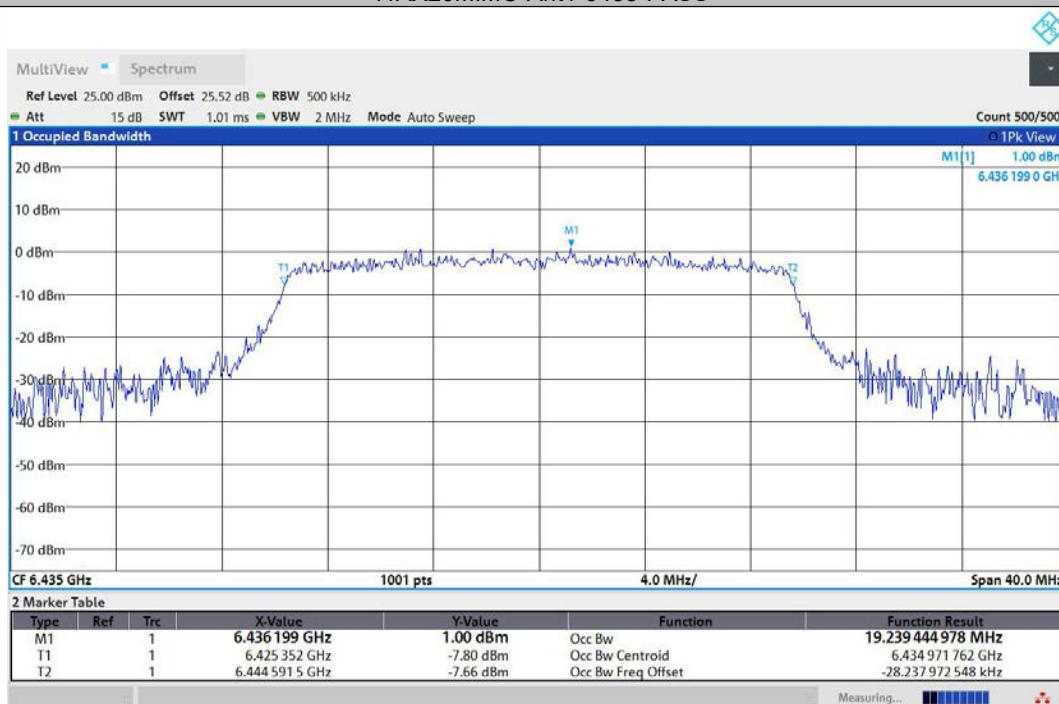
11AX20MIMO-Ant1-6415-PASS



11AX20MIMO-Ant2-6415-PASS



11AX20MIMO-Ant1-6435-PASS



11AX20MIMO-Ant2-6435-PASS